

MANUSCRIPT I: Supplementary data

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Supplementary data (Krippner et al.)

Table S1: Geographic coordinates (WGS 84) of all samples (river sediments and hardrocks) from the Dorfertal, Timmeltal and Frosnitztal valleys

sample	hard rock/sediment	location	GPS: N°	GPS: S°	high (m)
A2-2e/A2-2c	garnet-micaschists	Dorfertal	47°03.230'	12°19.929'	2069
A2-1	sediment	Dorfertal	47°03.227'	12°19.907'	2059
A2-2a/A2-2d	eclogite pebbles	Dorfertal	47°03.227'	12°19.907'	2059
A3	sediment	Dorfertal	47°02.977'	12°20.011'	2010
A2-3	sediment	Dorfertal	47°02.848'	12°19.963'	1988
A2-4	sediment	Dorfertal	47°01.509'	12°19.961'	1513
A2-4B	eclogite pebble	Dorfertal	47°01.509'	12°19.961'	1513
A2-5	sediment	Dorfertal	47°04.750'	12°20.212'	2241
A2-6c	eclogite	Dorfertal	47°04.750'	12°20.212'	2241
A2-7	sediment	Dorfertal	47°04.211'	12°20.353'	2202
A2-8	sediment	Dorfertal	47°03.878'	12°20.353'	2200
A2-9	sediment	Dorfertal	47°03.395'	12°19.950'	2088
A2-10	sediment	Dorfertal	47°03.635'	12°20.115'	2118
A-D2	garnet-micaschist	Dorfertal			
A5-1	sediment	Timmeltal	47°02.718'	12°22.852'	2145
A5-2	sediment	Timmeltal	47°02.669'	12°22.859'	2146
A5-3	sediment	Timmeltal	47°02.458'	12°22.770'	2112
A5-4	sediment	Timmeltal	47°01.953'	12°22.804'	2021
A5-5	sediment	Timmeltal	47°03.659'	12°23.092'	2691
A6-B	eclogite	Timmeltal	47°03.745'	12°23.125'	2695
A6-C	eclogite	Timmeltal	47°03.745'	12°23.125'	2695
A5-6	sediment	Timmeltal	47°03.941'	12°23.099'	2672
A6-E	garnet-micaschist	Timmeltal	47°03.910'	12°23.166'	2676
A6-F	eclogite	Timmeltal	47°03.562'	12°22.555'	2575
A5-7	sediment	Timmeltal	47°03.379'	12°22.429'	2544
A5-8	sediment	Timmeltal	47°03.135'	12°22.703'	2356
A5-9	sediment	Timmeltal	47°02.948'	12°22.737'	2257
A5-10	sediment	Timmeltal	47°00.941'	12°22.929'	1224
A7-B1	eclogite	Frosnitztal	47°05.128'	12°25.337'	2626
A7-B2	metasediment	Frosnitztal	47°05.128'	12°25.337'	2627
A7-D	eclogite	Frosnitztal	47°04.465'	12°26.739'	2188
A8-1	sediment	Frosnitztal	47°05.079'	12°25.942'	2244
A8-2	sediment	Frosnitztal	47°04.991'	12°26.210'	2214
A7-E1	metamafic rock	Frosnitztal	47°05.012'	12°26.394'	2197
A7-E2	metamafic rock	Frosnitztal	47°05.012'	12°26.394'	2197
A8-3	sediment	Frosnitztal	47°04.729'	12°26.880'	2104
A7-F	eclogite	Frosnitztal	47°04.415'	12°27.040'	2079
A7-G	eclogite	Frosnitztal	47°04.320'	12°27.095'	2046
A8-4	sediment	Frosnitztal	47°04.102'	12°27.086'	1981
A7-I	garnet-micaschist	Frosnitztal	47°03.729'	12°27.287'	1916
A8-5	sediment	Frosnitztal	47°03.513'	12°27.368'	1867
A8-6	sediment	Frosnitztal	47°03.358'	12°27.751'	1837
A8-7	sediment	Frosnitztal	47°02.709'	12°30.583'	1169

Table S2: Heavy Mineral Assemblages with and without opaque minerals for the grain size fraction 63 – 125 µm

AK-A2-5	proportion [%]	quantity	AK-A2-5	proportion [%]	quantity
unknown	0.0	0	-	-	-
opaque	5.5	25	-	-	-
micas	39.6	181	-	-	-
alterites	0.2	1	-	-	-
apatite	4.6	21	apatite	8.4	21
epidote	18.6	85	epidote	34.0	85
zoisite	11.2	51	zoisite	20.4	51
clinozoisite	8.5	39	clinozoisite	15.6	39
green hornblende	0.7	3	green hornblende	1.2	3
garnet	5.5	25	garnet	10.0	25
kyanite	0.9	4	kyanite	1.6	4
staurolite	2.6	12	staurolite	4.8	12
titanite	0.2	1	titanite	0.4	1
rutile	0.0	0	rutile	0.0	0
tourmaline	0.7	3	tourmaline	1.2	3
zircon	0.0	0	zircon	0.0	0
chloritoide	0.9	4	chloritoide	1.6	4
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.0	0	aktinolithe	0.0	0
amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.4	2	pyroxene	0.8	2
total	100	457	total	100	250

AK-A2-7	proportion [%]	quantity	AK-A2-7	proportion [%]	quantity
unknown	0.3	1	-	-	-
opaque	8.5	27	-	-	-
micas	6.9	22	-	-	-
alterites	1.9	6	-	-	-
apatite	3.5	11	apatite	4.2	11
epidote	18.9	60	epidote	23.0	60
zoisite	17.7	56	zoisite	21.5	56
clinozoisite	13.6	43	clinozoisite	16.5	43
green hornblende	2.8	9	green hornblende	3.4	9
garnet	18.6	59	garnet	22.6	59
kyanite	0.9	3	kyanite	1.1	3
staurolite	1.9	6	staurolite	2.3	6
titanite	0.3	1	titanite	0.4	1
rutile	0.9	3	rutile	1.1	3
tourmaline	0.9	3	tourmaline	1.1	3
zircon	1.9	6	zircon	2.3	6
chloritoide	0.0	0	chloritoide	0.0	0
sillimanite	0.0	0	sillimanite	0.0	0

aktinolithe	0.0	0	aktinolithe	0.0	0
amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.3	1	pyroxene	0.4	1
total	100	317	total	100	261

AK-A2-8	proportion [%]	quantity	AK-A2-8	proportion [%]	quantity
unknown	0.3	2	-	-	-
opaque	9.4	60	-	-	-
micas	48.3	307	-	-	-
alterites	0.6	4	-	-	-
apatite	2.4	15	apatite	5.7	15
epidote	11.5	73	epidote	27.9	73
zoisite	12.6	80	zoisite	30.5	80
clinozoisite	4.4	28	clinozoisite	10.7	28
green hornblende	1.9	12	green hornblende	4.6	12
garnet	5.5	35	garnet	13.4	35
kyanite	0.9	6	kyanite	2.3	6
staurolite	1.3	8	staurolite	3.1	8
titanite	0.0	0	titanite	0.0	0
rutile	0.0	0	rutile	0.0	0
tourmaline	0.2	1	tourmaline	0.4	1
zircon	0.2	1	zircon	0.4	1
chloritoide	0.2	1	chloritoide	0.4	1
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.2	1	aktinolithe	0.4	1
amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.2	1	pyroxene	0.4	1
total	100	635	total	100	262

AK-A2-9	proportion [%]	quantity	AK-A2-9	proportion [%]	quantity
unknown	0.9	3	-	-	-
opaque	6.1	20	-	-	-
micas	8.5	28	-	-	-
alterites	3.6	12	-	-	-
apatite	4.9	16	apatite	6.0	16
epidote	13.7	45	epidote	16.9	45
zoisite	24.0	79	zoisite	29.7	79
clinozoisite	6.7	22	clinozoisite	8.3	22
green hornblende	8.5	28	green hornblende	10.5	28
garnet	14.6	48	garnet	18.0	48
kyanite	0.0	0	kyanite	0.0	0
staurolite	2.4	8	staurolite	3.0	8
titanite	0.3	1	titanite	0.4	1
rutile	0.6	2	rutile	0.8	2
tourmaline	0.6	2	tourmaline	0.8	2

zircon	0.6	2	zircon	0.8	2
chloritoide	2.4	8	chloritoide	3.0	8
sillimanite	0.3	1	sillimanite	0.4	1
aktinolithe	0.3	1	aktinolithe	0.4	1
amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.9	3	pyroxene	1.1	3
total	100	329	total	100	266

AK-A2-1	proportion [%]	quantity	AK-A2-1	proportion [%]	quantity
unknown	1.3	4	-	-	-
opaque	6.0	19	-	-	-
micas	11.3	36	-	-	-
alterites	1.9	6	-	-	-
apatite	4.4	14	apatite	5.5	14
epidote	16.3	52	epidote	20.5	52
zoisite	14.1	45	zoisite	17.7	45
clinozoisite	15.0	48	clinozoisite	18.9	48
green hornblende	5.0	16	green hornblende	6.3	16
garnet	11.3	36	garnet	14.2	36
kyanite	5.0	16	kyanite	6.3	16
staurolite	0.9	3	staurolite	1.2	3
titanite	0.0	0	titanite	0.0	0
rutile	2.2	7	rutile	2.8	7
tourmaline	0.0	0	tourmaline	0.0	0
zircon	0.6	2	zircon	0.8	2
chloritoide	1.3	4	chloritoide	1.6	4
sillimanite	0.6	2	sillimanite	0.8	2
aktinolithe	0.0	0	aktinolithe	0.0	0
amphibole	0.0	0	amphibole	0.0	0
pyroxene	2.8	9	pyroxene	3.5	9
total	100	319	total	100	254

AK-A2-3	proportion [%]	quantity	AK-A2-3	proportion [%]	quantity
unknown	0.7	2	-	-	-
opaque	6.5	20	-	-	-
micas	8.8	27	-	-	-
alterites	2.0	6	-	-	-
apatite	4.2	13	apatite	5.2	13
epidote	9.2	28	epidote	11.2	28
zoisite	18.6	57	zoisite	22.7	57
clinozoisite	11.4	35	clinozoisite	13.9	35
green hornblende	3.3	10	green hornblende	4.0	10
garnet	21.6	66	garnet	26.3	66
kyanite	7.2	22	kyanite	8.8	22
staurolite	1.0	3	staurolite	1.2	3

titanite	0.3	1	titanite	0.4	1
rutile	0.7	2	rutile	0.8	2
tourmaline	0.0	0	tourmaline	0.0	0
zircon	0.7	2	zircon	0.8	2
chloritoide	1.6	5	chloritoide	2.0	5
sillimanite	0.7	2	sillimanite	0.8	2
aktinolithe	0.7	2	aktinolithe	0.8	2
amphibole	0.0	0	amphibole	0.0	0
pyroxene	1.0	3	pyroxene	1.2	3
total	100	306	total	100	251

AK-A3	proportion [%]	quantity	AK-A3	proportion [%]	quantity
unknown	0.6	3	-	-	-
opaque	4.5	21	-	-	-
micas	39.3	183	-	-	-
alterites	0.6	3	-	-	-
apatite	3.2	15	apatite	5.9	15
epidote	16.1	75	epidote	29.3	75
zoisite	12.0	56	zoisite	21.9	56
clinozoisite	7.1	33	clinozoisite	12.9	33
green hornblende	1.5	7	green hornblende	2.7	7
garnet	0.6	3	garnet	1.2	3
kyanite	2.4	11	kyanite	4.3	11
staurolite	2.6	12	staurolite	4.7	12
titanite	0.4	2	titanite	0.8	2
rutile	1.3	6	rutile	2.3	6
tourmaline	0.4	2	tourmaline	0.8	2
zircon	0.0	0	zircon	0.0	0
chloritoide	5.6	26	chloritoide	10.2	26
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.2	1	aktinolithe	0.4	1
amphibole	0.9	4	amphibole	1.6	4
pyroxene	0.2	1	pyroxene	0.4	1
glaucothane	0.4	2	glaucothane	0.8	2
total	100	466	total	100	256

AK-A2-4	proportion [%]	quantity	AK-A2-4	proportion [%]	quantity
unknown	1.6	5	-	-	-
opaque	2.3	7	-	-	-
micas	8.4	26	-	-	-
alterites	1.6	5	-	-	-
apatite	4.5	14	apatite	5.3	14
epidote	18.2	56	epidote	21.1	56
zoisite	22.4	69	zoisite	26.0	69
clinozoisite	4.9	15	clinozoisite	5.7	15

green hornblende	5.5	17	green hornblende	6.4	17
garnet	12.0	37	garnet	14.0	37
kyanite	3.6	11	kyanite	4.2	11
staurolite	4.5	14	staurolite	5.3	14
titanite	0.0	0	titanite	0.0	0
rutile	0.3	1	rutile	0.4	1
tourmaline	0.3	1	tourmaline	0.4	1
zircon	0.6	2	zircon	0.8	2
chloritoide	2.9	9	chloritoide	3.4	9
sillimanite	1.6	5	sillimanite	1.9	5
aktinolithe	1.3	4	aktinolithe	1.5	4
amphibole	0.0	0	amphibole	0.0	0
pyroxene	3.2	10	pyroxene	3.8	10
total	100	308	total	100	265

AK-A5-6	proportion [%]	quantity	AK-A5-6	proportion [%]	quantity
unknown	0.3	1	-	-	-
opaque	5.6	21	-	-	-
micas	19.8	75	-	-	-
alterites	3.7	14	-	-	-
apatite	2.1	8	apatite	3.0	8
epidote	27.0	102	epidote	38.2	102
zoisite	13.2	50	zoisite	18.7	50
clinozoisite	5.3	20	clinozoisite	7.5	20
green hornblende	4.5	17	green hornblende	6.4	17
garnet	8.2	31	garnet	11.6	31
kyanite	1.3	5	kyanite	1.9	5
staurolite	1.1	4	staurolite	1.5	4
titanite	0.3	1	titanite	0.4	1
rutile	1.3	5	rutile	1.9	5
tourmaline	0.8	3	tourmaline	1.1	3
zircon	0.0	0	zircon	0.0	0
chloritoide	0.8	3	chloritoide	1.1	3
sillimanite	0.3	1	sillimanite	0.4	1
aktinolithe	1.3	5	aktinolithe	1.9	5
amphibole	0.0	0	amphibole	0.0	0
pyroxene	2.9	11	pyroxene	4.1	11
glaucothane	0.3	1	glaucothane	0.4	1
total	100	378	total	100	267

AK-A5-5	proportion [%]	quantity	AK-A5-5	proportion [%]	quantity
unknown	0.0	0	-	-	-
opaque	8.7	30	-	-	-
micas	13.3	46	-	-	-

alterites	1.7	6	-	-	-
apatite	2.0	7	apatite	2.7	7
epidote	30.7	106	epidote	40.3	106
zoisite	15.9	55	zoisite	20.9	55
clinozoisite	12.2	42	clinozoisite	16.0	42
green hornblende	2.3	8	green hornblende	3.0	8
garnet	5.5	19	garnet	7.2	19
kyanite	0.6	2	kyanite	0.8	2
staurolite	2.6	9	staurolite	3.4	9
titanite	0.6	2	titanite	0.8	2
rutile	0.0	0	rutile	0.0	0
tourmaline	1.2	4	tourmaline	1.5	4
zircon	0.0	0	zircon	0.0	0
chloritoide	1.4	5	chloritoide	1.9	5
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.3	1	aktinolithe	0.4	1
amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.9	3	pyroxene	1.1	3
total	100	345	total	100	263

AK-A5-7	proportion [%]	quantity	AK-A5-7	proportion [%]	quantity
unknown	1.3	4	-	-	-
opaque	3.8	12	-	-	-
micas	13.0	41	-	-	-
alterites	2.8	9	-	-	-
apatite	1.9	6	apatite	2.4	6
epidote	33.9	107	epidote	42.8	107
zoisite	13.3	42	zoisite	16.8	42
clinozoisite	7.6	24	clinozoisite	9.6	24
green hornblende	3.5	11	green hornblende	4.4	11
garnet	7.0	22	garnet	8.8	22
kyanite	0.3	1	kyanite	0.4	1
staurolite	2.8	9	staurolite	3.6	9
titanite	0.0	0	titanite	0.0	0
rutile	1.6	5	rutile	2.0	5
tourmaline	0.6	2	tourmaline	0.8	2
zircon	0.0	0	zircon	0.0	0
chloritoide	3.2	10	chloritoide	4.0	10
sillimanite	0.3	1	sillimanite	0.4	1
aktinolithe	0.9	3	aktinolithe	1.2	3
amphibole	0.3	1	amphibole	0.4	1
pyroxene	1.9	6	pyroxene	2.4	6
total	100	316	total	100	250

AK-A5-8	proportion [%]	quantity	AK-A5-8	proportion [%]	quantity
unknown	0.0	0	-	-	-
opaque	2.9	10	-	-	-
micas	20.6	71	-	-	-
alterites	3.5	12	-	-	-
apatite	1.5	5	apatite	2.0	5
epidote	19.8	68	epidote	27.1	68
zoisite	19.2	66	zoisite	26.3	66
clinozoisite	10.8	37	clinozoisite	14.7	37
green hornblende	7.0	24	green hornblende	9.6	24
garnet	2.3	8	garnet	3.2	8
kyanite	1.5	5	kyanite	2.0	5
staurolite	1.7	6	staurolite	2.4	6
titanite	0.0	0	titanite	0.0	0
rutile	0.6	2	rutile	0.8	2
tourmaline	0.3	1	tourmaline	0.4	1
zircon	0.0	0	zircon	0.0	0
chloritoide	4.7	16	chloritoide	6.4	16
sillimanite	0.3	1	sillimanite	0.4	1
aktinolithe	2.6	9	aktinolithe	3.6	9
amphibole	0.3	1	amphibole	0.4	1
pyroxene	0.6	2	pyroxene	0.8	2
total	100	344	total	100	251

AK-A5-9	proportion [%]	quantity	AK-A5-9	proportion [%]	quantity
unknown	0.0	0	-	-	-
opaque	8.1	26	-	-	-
micas	12.4	40	-	-	-
alterites	1.2	4	-	-	-
apatite	2.8	9	apatite	3.6	9
epidote	28.0	90	epidote	35.7	90
zoisite	17.1	55	zoisite	21.8	55
clinozoisite	7.8	25	clinozoisite	9.9	25
green hornblende	5.3	17	green hornblende	6.7	17
garnet	7.1	23	garnet	9.1	23
kyanite	1.6	5	kyanite	2.0	5
staurolite	1.9	6	staurolite	2.4	6
titanite	0.0	0	titanite	0.0	0
rutile	1.6	5	rutile	2.0	5
tourmaline	0.9	3	tourmaline	1.2	3
zircon	0.0	0	zircon	0.0	0
chloritoide	3.1	10	chloritoide	4.0	10
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.6	2	aktinolithe	0.8	2

amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.3	1	pyroxene	0.4	1
glaucothane	0.3	1	glaucothane	0.4	1
total	100	322	total	100	252

AK-A5-2	proportion [%]	quantity	AK-A5-2	proportion [%]	quantity
unknown	0.7	2	-	-	-
opaque	1.7	5	-	-	-
micas	7.9	23	-	-	-
alterites	2.8	8	-	-	-
apatite	1.7	5	apatite	2.0	5
epidote	40.0	116	epidote	46.0	116
zoisite	20.7	60	zoisite	23.8	60
clinozoisite	12.8	37	clinozoisite	14.7	37
green hornblende	3.8	11	green hornblende	4.4	11
garnet	0.0	0	garnet	0.0	0
kyanite	0.0	0	kyanite	0.0	0
staurolite	2.4	7	staurolite	2.8	7
titanite	0.7	2	titanite	0.8	2
rutile	0.0	0	rutile	0.0	0
tourmaline	0.7	2	tourmaline	0.8	2
zircon	0.0	0	zircon	0.0	0
chloritoide	1.7	5	chloritoide	2.0	5
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	2.1	6	aktinolithe	2.4	6
amphibole	0.3	1	amphibole	0.4	1
pyroxene	0.0	0	pyroxene	0.0	0
total	100	290	total	100	252

AK-A5-1	proportion [%]	quantity	AK-A5-1	proportion [%]	quantity
unknown	0.3	1	-	-	-
opaque	6.8	23	-	-	-
micas	14.5	49	-	-	-
alterites	1.2	4	-	-	-
apatite	3.0	10	apatite	3.8	10
epidote	32.8	111	epidote	42.5	111
zoisite	9.8	33	zoisite	12.6	33
clinozoisite	10.9	37	clinozoisite	14.2	37
green hornblende	3.8	13	green hornblende	5.0	13
garnet	5.0	17	garnet	6.5	17
kyanite	0.3	1	kyanite	0.4	1
staurolite	4.7	16	staurolite	6.1	16
titanite	0.3	1	titanite	0.4	1
rutile	1.8	6	rutile	2.3	6

tourmaline	0.3	1	tourmaline	0.4	1
zircon	0.6	2	zircon	0.8	2
chloritoide	1.8	6	chloritoide	2.3	6
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.6	2	aktinolithe	0.8	2
amphibole	0.3	1	amphibole	0.4	1
glaucothane	0.3	1	glaucothane	0.4	1
pyroxene	0.9	3	pyroxene	1.1	3
total	100	338	total	100	261

AK-A5-3	proportion [%]	quantity	AK-A5-3	proportion [%]	quantity
unknown	0.0	0	-	-	-
opaque	4.2	13	-	-	-
micas	12.3	38	-	-	-
alterites	1.0	3	-	-	-
apatite	2.9	9	apatite	3.5	9
epidote	32.9	102	epidote	39.8	102
zoisite	19.0	59	zoisite	23.0	59
clinozoisite	9.7	30	clinozoisite	11.7	30
green hornblende	4.2	13	green hornblende	5.1	13
garnet	1.9	6	garnet	2.3	6
kyanite	1.0	3	kyanite	1.2	3
staurolite	1.3	4	staurolite	1.6	4
titanite	1.6	5	titanite	2.0	5
rutile	1.6	5	rutile	2.0	5
tourmaline	1.9	6	tourmaline	2.3	6
zircon	0.0	0	zircon	0.0	0
chloritoide	2.9	9	chloritoide	3.5	9
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.0	0	aktinolithe	0.0	0
amphibole	0.6	2	amphibole	0.8	2
pyroxene	1.0	3	pyroxene	1.2	3
total	100	310	total	100	256

AK-A5-4	proportion [%]	quantity	AK-A5-4	proportion [%]	quantity
unknown	0.0	0	-	-	-
opaque	9.0	29	-	-	-
micas	9.3	30	-	-	-
alterites	2.2	7	-	-	-
apatite	0.3	1	apatite	0.4	1
epidote	35.7	115	epidote	44.9	115
zoisite	11.8	38	zoisite	14.8	38
clinozoisite	9.9	32	clinozoisite	12.5	32
green hornblende	1.6	5	green hornblende	2.0	5
garnet	7.8	25	garnet	9.8	25

kyanite	0.3	1	kyanite	0.4	1
staurolite	1.9	6	staurolite	2.3	6
titanite	0.6	2	titanite	0.8	2
rutile	2.5	8	rutile	3.1	8
tourmaline	1.6	5	tourmaline	2.0	5
zircon	0.3	1	zircon	0.4	1
chloritoide	1.2	4	chloritoide	1.6	4
sillimanite	0.3	1	sillimanite	0.4	1
aktinolithe	0.9	3	aktinolithe	1.2	3
amphibole	0.3	1	amphibole	0.4	1
pyroxene	2.5	8	pyroxene	3.1	8
total	100	322	total	100	256

AK-A5-10	proportion [%]	quantity	AK-A5-10	proportion [%]	quantity
unknown	0.4	1	-	-	-
opaque	2.3	6	-	-	-
micas	1.9	5	-	-	-
alterites	0.4	1	-	-	-
apatite	2.3	6	apatite	2.4	6
epidote	47.9	126	epidote	50.4	126
zoisite	30.8	81	zoisite	32.4	81
clinozoisite	6.1	16	clinozoisite	6.4	16
green hornblende	0.4	1	green hornblende	0.4	1
garnet	1.9	5	garnet	2.0	5
kyanite	0.0	0	kyanite	0.0	0
staurolite	2.3	6	staurolite	2.4	6
titanite	1.1	3	titanite	1.2	3
rutile	0.4	1	rutile	0.4	1
tourmaline	0.0	0	tourmaline	0.0	0
zircon	0.0	0	zircon	0.0	0
chloritoide	0.4	1	chloritoide	0.4	1
sillimanite	0.8	2	sillimanite	0.8	2
aktinolithe	0.0	0	aktinolithe	0.0	0
amphibole	0.8	2	amphibole	0.8	2
pyroxene	0.0	0	pyroxene	0.0	0
total	100	263	total	100	250

AK-A8-1	proportion [%]	quantity	AK-A8-1	proportion [%]	quantity
unknown	1.9	12	-	-	-
opaque	3.4	21	-	-	-
micas	54.5	341	-	-	-
alterites	0.2	1	-	-	-
apatite	2.2	14	apatite	5.6	14
epidote	7.8	49	epidote	19.5	49

zoisite	15.2	95	zoisite	37.8	95
clinozoisite	3.2	20	clinozoisite	8.0	20
green hornblende	4.5	28	green hornblende	11.2	28
garnet	2.2	14	garnet	5.6	14
kyanite	1.6	10	kyanite	4.0	10
staurolite	0.6	4	staurolite	1.6	4
titanite	0.0	0	titanite	0.0	0
rutile	0.2	1	rutile	0.4	1
tourmaline	0.8	5	tourmaline	2.0	5
zircon	0.0	0	zircon	0.0	0
chloritoide	0.6	4	chloritoide	1.6	4
sillimanite	0.6	4	sillimanite	1.6	4
aktinolithe	0.5	3	aktinolithe	1.2	3
amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.0	0	pyroxene	0.0	0
total	100	626	total	100	251

AK-A8-2	proportion [%]	quantity	AK-A8-2	proportion [%]	quantity
unknown	1.7	7	-	-	-
opaque	4.4	18	-	-	-
micas	32.5	133	-	-	-
alterites	0.2	1	-	-	-
apatite	1.2	5	apatite	2.0	5
epidote	6.1	25	epidote	10.0	25
zoisite	24.4	100	zoisite	40.0	100
clinozoisite	7.8	32	clinozoisite	12.8	32
green hornblende	8.1	33	green hornblende	13.2	33
garnet	3.9	16	garnet	6.4	16
kyanite	3.2	13	kyanite	5.2	13
staurolite	0.0	0	staurolite	0.0	0
titanite	0.0	0	titanite	0.0	0
rutile	0.5	2	rutile	0.8	2
tourmaline	1.0	4	tourmaline	1.6	4
zircon	0.2	1	zircon	0.4	1
chloritoide	3.2	13	chloritoide	5.2	13
sillimanite	0.2	1	sillimanite	0.4	1
aktinolithe	1.2	5	aktinolithe	2.0	5
amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.0	0	pyroxene	0.0	0
total	100	409	total	100	250

AK-A8-3	proportion [%]	quantity	AK-A8-3	proportion [%]	quantity
unknown	1.5	5	-	-	-
opaque	4.4	15	-	-	-
micas	16.5	56	-	-	-

alterites	2.9	10	-	-	-
apatite	3.8	13	apatite	5.1	13
epidote	4.4	15	epidote	5.9	15
zoisite	23.0	78	zoisite	30.8	78
clinozoisite	6.5	22	clinozoisite	8.7	22
green hornblende	5.3	18	green hornblende	7.1	18
garnet	12.7	43	garnet	17.0	43
kyanite	3.5	12	kyanite	4.7	12
staurolite	0.6	2	staurolite	0.8	2
titanite	0.0	0	titanite	0.0	0
rutile	2.9	10	rutile	4.0	10
tourmaline	1.2	4	tourmaline	1.6	4
zircon	0.6	2	zircon	0.8	2
chloritoide	4.1	14	chloritoide	5.5	14
sillimanite	0.6	2	sillimanite	0.8	2
aktinolithe	0.9	3	aktinolithe	1.2	3
amphibole	0.6	2	amphibole	0.8	2
pyroxene	3.5	12	pyroxene	4.7	12
glaucophane	0.3	1	glaucophane	0.4	1
total	100	339	total	100	253

AK-A8-4	proportion [%]	quantity	AK-A8-4	proportion [%]	quantity
unknown	1.8	6	-	-	-
opaque	7.8	26	-	-	-
micas	9.6	32	-	-	-
alterites	5.1	17	-	-	-
apatite	2.4	8	apatite	3.2	8
epidote	20.1	67	epidote	26.5	67
zoisite	11.1	37	zoisite	14.6	37
clinozoisite	6.9	23	clinozoisite	9.1	23
green hornblende	4.8	16	green hornblende	6.3	16
garnet	24.3	81	garnet	32.0	81
kyanite	0.6	2	kyanite	0.8	2
staurolite	1.5	5	staurolite	2.0	5
titanite	0.0	0	titanite	0.0	0
rutile	0.6	2	rutile	0.8	2
tourmaline	0.0	0	tourmaline	0.0	0
zircon	0.6	2	zircon	0.8	2
chloritoide	0.9	3	chloritoide	1.2	3
sillimanite	0.3	1	sillimanite	0.4	1
aktinolithe	0.3	1	aktinolithe	0.4	1
amphibole	0.3	1	amphibole	0.4	1
pyroxene	0.9	3	pyroxene	1.2	3
glaucophane	0.3	1	glaucophane	0.4	1
total	100	334	total	100	253

AK-A8-5	proportion [%]	quantity	AK-A8-5	proportion [%]	quantity
unknown	2.3	7	-	-	-
opaque	3.9	12	-	-	-
micas	9.1	28	-	-	-
alterites	0.6	2	-	-	-
apatite	3.9	12	apatite	4.6	12
epidote	15.9	49	epidote	18.9	49
zoisite	17.5	54	zoisite	20.8	54
clinozoisite	7.5	23	clinozoisite	8.9	23
green hornblende	5.5	17	green hornblende	6.6	17
garnet	25.0	77	garnet	29.7	77
kyanite	1.0	3	kyanite	1.2	3
staurolite	0.3	1	staurolite	0.4	1
titanite	0.0	0	titanite	0.0	0
rutile	1.9	6	rutile	2.3	6
tourmaline	1.0	3	tourmaline	1.2	3
zircon	0.3	1	zircon	0.4	1
chloritoide	1.3	4	chloritoide	1.5	4
sillimanite	0.3	1	sillimanite	0.4	1
aktinolithe	0.0	0	aktinolithe	0.0	0
amphibole	1.9	6	amphibole	2.3	6
pyroxene	0.6	2	pyroxene	0.8	2
total	100	308	total	100	259

AK-A8-6	proportion [%]	quantity	AK-A8-6	proportion [%]	quantity
unknown	1.0	3	-	-	-
opaque	2.7	8	-	-	-
micas	5.8	17	-	-	-
alterites	2.7	8	-	-	-
apatite	1.7	5	apatite	1.9	5
epidote	41.5	122	epidote	47.3	122
zoisite	18.4	54	zoisite	20.9	54
clinozoisite	13.6	40	clinozoisite	15.5	40
green hornblende	2.0	6	green hornblende	2.3	6
garnet	2.7	8	garnet	3.1	8
kyanite	0.7	2	kyanite	0.8	2
staurolite	5.1	15	staurolite	5.8	15
titanite	0.3	1	titanite	0.4	1
rutile	0.3	1	rutile	0.4	1
tourmaline	0.3	1	tourmaline	0.4	1
zircon	0.0	0	zircon	0.0	0
chloritoide	0.3	1	chloritoide	0.4	1
sillimanite	0.0	0	sillimanite	0.0	0
aktinolithe	0.7	2	aktinolithe	0.8	2

amphibole	0.0	0	amphibole	0.0	0
pyroxene	0.0	0	pyroxene	0.0	0
total	100	294	total	100	258

AK-A8-7	proportion [%]	quantity	AK-A8-7	proportion [%]	quantity
unknown	1.4	4	-	-	-
opaque	5.4	16	-	-	-
micas	6.1	18	-	-	-
alterites	2.0	6	-	-	-
apatite	0.3	1	apatite	0.4	1
epidote	36.3	107	epidote	42.6	107
zoisite	19.0	56	zoisite	22.3	56
clinozoisite	13.2	39	clinozoisite	15.5	39
green hornblende	3.1	9	green hornblende	3.6	9
garnet	3.1	9	garnet	3.6	9
kyanite	0.7	2	kyanite	0.8	2
staurolite	2.4	7	staurolite	2.8	7
titanite	0.0	0	titanite	0.0	0
rutile	1.0	3	rutile	1.2	3
tourmaline	0.7	2	tourmaline	0.8	2
zircon	0.0	0	zircon	0.0	0
chloritoide	4.1	12	chloritoide	0.4	1
sillimanite	0.7	2	sillimanite	0.8	2
aktinolithe	0.3	1	aktinolithe	4.8	12
amphibole	0.3	1	amphibole	0.4	1
pyroxene	0.0	0	pyroxene	0.0	0
total	100	295	total	0.0	251

Table S3: Groups of Heavy Mineral Assemblages for the grains size fraction 63 – 125 µm

AK-A2-5	proportion [%]	quantity
epidote-group	70.0	175
garnet	10.0	25
green hornblende	1.2	3
apatite	8.4	21
staurolite	4.8	12
kyanite	1.6	4
chloritoid	1.6	4
stable minerals	1.2	3
others	1.2	3
total	100	250

AK-A2-7	proportion [%]	quantity
epidote-group	60.9	159
garnet	22.6	59
green hornblende	3.4	9
apatite	4.2	11
staurolite	2.3	6
kyanite	1.1	3
chloritoid	0.0	0
stable minerals	4.6	12
others	0.8	2
total	100	261

AK-A2-8	proportion [%]	quantity
epidote-group	69.1	181
garnet	13.4	35
green hornblende	4.6	12
apatite	5.7	15
staurolite	3.1	8
kyanite	2.3	6
chloritoid	0.4	1
stable minerals	0.8	2
others	0.8	2
total	100	262

AK-A2-9	proportion [%]	quantity
epidote-group	54.9	146
garnet	18.0	48
green hornblende	10.5	28
apatite	6.0	16
staurolite	3.0	8
kyanite	0.0	0
chloritoid	3.0	8
stable minerals	2.3	6
others	2.3	6
total	100	266

AK-A2-1	proportion [%]	quantity
epidote-group	57.1	145
garnet	14.2	36
green hornblende	6.3	16
apatite	5.5	14
staurolite	1.2	3
kyanite	6.3	16
chloritoid	1.6	4
stable minerals	3.5	9
others	4.3	11
total	100	254

AK-A2-3	proportion [%]	quantity
epidote-group	47.8	120
garnet	26.3	66
green hornblende	4.0	10
apatite	5.2	13
staurolite	1.2	3
kyanite	8.8	22
chloritoid	2.0	5
stable minerals	1.6	4
others	3.2	8
total	100	251

AK-3	proportion [%]	quantity
epidote-group	64.1	164
garnet	1.2	3
green hornblende	2.7	7
apatite	5.9	15
staurolite	4.7	12
kyanite	4.3	11
chloritoid	10.2	26
stable minerals	3.1	8
others	3.9	10
total	100	256

AK-A2-4	proportion [%]	quantity
epidote-group	52.8	140
garnet	14.0	37
green hornblende	6.4	17
apatite	5.3	14
staurolite	5.3	14
kyanite	4.2	11
chloritoid	3.4	9
stable minerals	1.5	4
others	7.2	19
total	100	265

AK-A5-6	proportion [%]	quantity
epidote-group	64.4	172
garnet	11.6	31
green hornblende	6.4	17
apatite	3.0	8
staurolite	1.5	4
kyanite	1.9	5
chloritoid	1.1	3
stable minerals	3.0	8
others	7.1	19
total	100	267

AK-A5-5	proportion [%]	quantity
epidote-group	77.2	203
garnet	7.2	19
green hornblende	3.0	8
apatite	2.7	7
staurolite	3.4	9
kyanite	0.8	2
chloritoid	1.9	5
stable minerals	1.5	4
others	2.3	6
total	100	263

AK-A5-7	proportion [%]	quantity
epidote-group	69.2	173
garnet	8.8	22
green hornblende	4.4	11
apatite	2.4	6
staurolite	3.6	9
kyanite	0.4	1
chloritoid	4.0	10
stable minerals	2.8	7
others	4.4	11
total	100	250

AK-A5-8	proportion [%]	quantity
epidote-group	68.1	171
garnet	3.2	8
green hornblende	9.6	24
apatite	2.0	5
staurolite	2.4	6
kyanite	2.0	5
chloritoid	6.4	16
stable minerals	1.2	3
others	5.2	13
total	100	251

AK-A5-9	proportion [%]	quantity
epidote-group	67.5	170
garnet	9.1	23
green hornblende	6.7	17
apatite	3.6	9
staurolite	2.4	6
kyanite	2.0	5
chloritoid	4.0	10
stable minerals	3.2	8
others	1.6	4
total	100	252

AK-A5-2	proportion [%]	quantity
epidote-group	84.5	213
garnet	0.0	0
green hornblende	4.4	11
apatite	2.0	5
staurolite	2.8	7
kyanite	0.0	0
chloritoid	2.0	5
stable minerals	0.8	2
others	3.6	9
total	100	252

AK-A5-1	proportion [%]	quantity
epidote-group	69.3	181
garnet	6.5	17
green hornblende	5.0	13
apatite	3.8	10
staurolite	6.1	16
kyanite	0.4	1
chloritoid	2.3	6
stable minerals	3.4	9
others	3.1	8
total	100	261

AK-A5-3	proportion [%]	quantity
epidote-group	74.6	191
garnet	2.3	6
green hornblende	5.1	13
apatite	3.5	9
staurolite	1.6	4
kyanite	1.2	3
chloritoid	3.5	9
stable minerals	4.3	11
others	3.9	10
total	100	256

AK-A5-4	proportion [%]	quantity
epidote-group	72.3	185
garnet	9.8	25
green hornblende	2.0	5
apatite	0.4	1
staurolite	2.3	6
kyanite	0.4	1
chloritoid	1.6	4
stable minerals	5.5	14
others	5.9	15
total	100	256

AK-A5-10	proportion [%]	quantity
epidote-group	89.2	223
garnet	2.0	5
green hornblende	0.4	1
apatite	2.4	6
staurolite	2.4	6
kyanite	0.0	0
chloritoid	0.4	1
stable minerals	0.4	1
others	2.8	7
total	100	250

AK-A8-1	proportion [%]	quantity
epidote-group	65.3	164
garnet	5.6	14
green hornblende	11.2	28
apatite	5.6	14
staurolite	1.6	4
kyanite	4.0	10
chloritoid	1.6	4
stable minerals	2.4	6
others	2.8	7
total	100	251

AK-A8-2	proportion [%]	quantity
epidote-group	62.8	157
garnet	6.4	16
green hornblende	13.2	33
apatite	2.0	5
staurolite	0.0	0
kyanite	5.2	13
chloritoid	5.2	13
stable minerals	2.8	7
others	2.4	6
total	100	250

AK-A8-3	proportion [%]	quantity
epidote-group	45.5	115
garnet	17.0	43
green hornblende	7.1	18
apatite	5.1	13
staurolite	0.8	2
kyanite	4.7	12
chloritoid	5.5	14
stable minerals	6.3	16
others	7.9	20
total	100	253

AK-A8-4	proportion [%]	quantity
epidote-group	50.2	127
garnet	32.0	81
green hornblende	6.3	16
apatite	3.2	8
staurolite	2.0	5
kyanite	0.8	2
chloritoid	1.2	3
stable minerals	1.6	4
others	2.8	7
total	100	253

AK-A8-5	proportion [%]	quantity
epidote-group	48.6	126
garnet	29.7	77
green hornblende	6.6	17
apatite	4.6	12
staurolite	0.4	1
kyanite	1.2	3
chloritoid	1.5	4
stable minerals	3.9	10
others	3.5	9
total	100	259

AK-A8-6	proportion [%]	quantity
epidote-group	83.7	216
garnet	3.1	8
green hornblende	2.3	6
apatite	1.9	5
staurolite	5.8	15
kyanite	0.8	2
chloritoid	0.4	1
stable minerals	0.8	2
others	1.2	3
total	100	258

AK-A8-7	proportion [%]	quantity
epidote-group	80.5	202
garnet	3.6	9
green hornblende	3.6	9
apatite	0.4	1
staurolite	2.8	7
kyanite	0.8	2
chloritoid	0.4	1
stable minerals	2.0	5
others	6.0	15
total	100	251

Table S4: Groups of transparent Heavy Mineral Assemblages for the grain size fractions 32 – 63 μm , 125 – 250 μm , 250 – 500 μm for sample A2-5, A2-8, A2-1, A2-4 from the Dorfertal valley.

Grain size fraction 32 – 63 μm

AK-A2-4	proportion [%]	quantity
epidote-group	66.7	174
garnet	5.0	13
green hornblende	3.1	8
apatite	5.4	14
staurolite	2.7	7
kyanite	1.5	4
chloritoid	4.6	12
stable minerals	1.9	5
others	9.2	24
total	100	261

AK-A2-1	proportion [%]	quantity
epidote-group	53.9	137
garnet	21.3	54
green hornblende	2.4	6
apatite	5.9	15
staurolite	0.8	2
kyanite	1.6	4
chloritoid	2.8	7
stable minerals	2.4	6
others	9.1	23
total	100	254

AK-A2-8	proportion [%]	quantity
epidote-group	65.0	165
garnet	18.5	47
green hornblende	1.6	4
apatite	9.4	24
staurolite	0.8	2
kyanite	0.8	2
chloritoid	1.6	4
stable minerals	0.4	1
others	2.0	5
total	100	254

AK-A2-5	proportion [%]	quantity
epidote-group	72.7	186
garnet	10.5	27
green hornblende	0.8	2
apatite	10.2	26
staurolite	1.6	4
kyanite	1.2	3
chloritoid	0.8	2
stable minerals	1.6	4
others	0.8	2
total	100	256

Grain size fraction 125 – 250 µm

AK-A2-4	proportion [%]	quantity
epidote-group	61.5	160
garnet	18.5	48
green hornblende	11.5	30
apatite	0.8	2
staurolite	1.5	4
kyanite	0.4	1
chloritoid	1.2	3
stable minerals	1.2	3
others	3.5	9
total	100	260

AK-A2-1	proportion [%]	quantity
epidote-group	55.6	143
garnet	26.1	67
green hornblende	11.3	29
apatite	1.6	4
staurolite	0.4	1
kyanite	0.4	1
chloritoid	0.4	1
stable minerals	1.2	3
others	3.1	8
total	100	257

AK-A2-8	proportion [%]	quantity
epidote-group	65.1	164
garnet	15.5	39
green hornblende	6.3	16
apatite	7.1	18
staurolite	1.2	3
kyanite	0.4	1
chloritoid	0.8	2
stable minerals	1.2	3
others	2.4	6
total	100	252

AK-A2-5	proportion [%]	quantity
epidote-group	58.6	147
garnet	26.3	66
green hornblende	6.8	17
apatite	2.0	5
staurolite	0.0	0
kyanite	1.2	3
chloritoid	3.2	8
stable minerals	1.2	3
others	0.8	2
total	100	251

Grain size fraction 250 – 500 μ m

AK-A2-4	proportion [%]	quantity
epidote-group	52.4	131
garnet	22.0	55
green hornblende	14.0	35
apatite	0.4	1
staurolite	0.0	0
kyanite	0.4	1
chloritoid	3.6	9
stable minerals	2.8	7
others	4.4	11
total	100	250

AK-A2-1	proportion [%]	quantity
epidote-group	47.6	121
garnet	21.7	55
green hornblende	17.7	45
apatite	1.2	3
staurolite	0.0	0
kyanite	2.4	6
chloritoid	3.1	8
stable minerals	2.0	5
others	4.3	11
total	100	254

AK-A2-8	proportion [%]	quantity
epidote-group	59.1	152
garnet	29.6	76
green hornblende	6.6	17
apatite	0.4	1
staurolite	0.4	1
kyanite	1.2	3
chloritoid	1.6	4
stable minerals	1.2	3
others	0.0	0
total	100	257

AK-A2-5	proportion [%]	quantity
epidote-group	50.4	126
garnet	41.2	103
green hornblende	3.6	9
apatite	1.2	3
staurolite	0.0	0
kyanite	0.4	1
chloritoid	1.2	3
stable minerals	0.8	2
others	1.2	3
total	100	250

A6-E_3_c		micaschist	Timmeltal	37.92	0.05	21.38	0.00	28.33	2.51	3.07	7.07	0.75	101.01	11.87	62.96	19.65	5.51	68.48
A6-E_4_r		micaschist	Timmeltal	39.59	0.00	22.91	0.07	18.85	0.09	9.49	8.96	0.87	100.73	35.16	40.79	23.87	0.19	40.97
A6-E_4_c		micaschist	Timmeltal	38.11	0.15	21.56	0.07	28.41	0.44	3.38	8.44	0.55	101.08	13.05	62.56	23.41	0.97	63.53
A6-E_5_r		micaschist	Timmeltal	40.00	0.00	23.10	0.07	18.26	0.09	10.13	8.92	0.81	101.29	37.17	39.10	23.54	0.18	39.28
A6-E_5_c		micaschist	Timmeltal	38.04	0.14	21.51	0.00	28.51	0.91	3.25	8.11	0.63	101.03	12.53	62.97	22.50	2.00	64.97
A6-E_6_r		micaschist	Timmeltal	40.34	0.05	22.73	0.04	19.66	0.18	10.08	8.19	0.13	101.38	37.12	40.84	21.66	0.37	41.21
A6-E_6_c		micaschist	Timmeltal	38.25	0.16	21.76	0.00	27.24	0.48	4.22	8.29	0.66	100.99	16.20	59.90	22.85	1.05	60.95
A6-E_7_r		micaschist	Timmeltal	40.30	0.04	22.96	0.05	19.35	0.08	10.00	8.56	0.18	101.50	36.82	40.33	22.68	0.17	40.50
A6-E_7_c		micaschist	Timmeltal	37.78	0.15	21.09	0.05	28.23	1.36	2.66	8.55	1.16	100.90	10.23	63.15	23.64	2.98	66.12
A6-E_8_r		micaschist	Timmeltal	40.55	0.08	22.86	0.05	18.47	0.12	11.01	8.07	0.32	101.49	40.19	38.41	21.16	0.25	38.66
A6-E_8_c		micaschist	Timmeltal	38.52	0.11	21.56	0.00	28.19	0.75	4.01	7.86	0.65	101.60	15.28	61.55	21.54	1.63	63.19
A6-E_9_r		micaschist	Timmeltal	40.03	0.04	22.65	0.05	19.94	0.14	9.61	8.35	0.48	101.24	35.44	42.14	22.13	0.29	42.43
A6-E_9_c		micaschist	Timmeltal	38.42	0.15	21.31	0.06	28.29	0.62	3.47	8.56	0.84	101.64	13.23	62.03	23.41	1.34	63.37
A6-E_10_r		micaschist	Timmeltal	40.17	0.00	22.62	0.05	17.75	0.06	10.64	8.78	0.95	100.92	38.79	38.05	23.02	0.13	38.18
A6-E_10_c		micaschist	Timmeltal	37.52	0.16	20.54	0.06	27.48	1.90	2.76	8.34	1.88	100.44	10.52	62.47	22.88	4.12	66.60
A6-E_11_r		micaschist	Timmeltal	37.85	0.10	20.98	0.00	26.15	0.64	4.60	8.07	1.94	100.13	17.41	59.25	21.96	1.38	60.62
A6-E_11_c		micaschist	Timmeltal	37.24	0.12	20.46	0.00	27.14	0.44	3.30	8.72	2.21	99.41	12.63	62.46	23.95	0.96	63.42
A6-E_12_r		micaschist	Timmeltal	38.89	0.00	21.51	0.06	16.28	0.06	10.53	8.89	1.79	97.83	39.01	37.18	23.68	0.12	37.30
A6-E_12_c		micaschist	Timmeltal	36.83	0.14	20.15	0.07	26.39	0.49	3.62	8.45	2.70	98.57	13.85	61.84	23.24	1.07	62.91
A6-E_13_r		micaschist	Timmeltal	37.79	0.00	21.00	0.05	15.44	0.06	10.31	8.82	3.17	96.34	38.25	38.08	23.53	0.14	38.22
A6-E_13_c		micaschist	Timmeltal	40.35	0.00	22.87	0.06	16.92	0.06	11.19	8.83	0.73	100.94	40.79	35.94	23.14	0.12	36.07
A6-E_14_r		micaschist	Timmeltal	38.38	0.04	21.56	0.04	17.02	0.09	9.98	8.61	2.34	97.84	37.04	39.81	22.97	0.18	39.99
A6-E_14_c		micaschist	Timmeltal	36.88	0.17	20.01	0.06	25.76	2.54	2.73	8.64	2.36	98.88	10.48	60.12	23.86	5.54	65.66
A6-E_15_r		micaschist	Timmeltal	38.26	0.00	21.44	0.00	15.51	0.09	10.37	9.11	3.36	97.80	37.89	38.00	23.94	0.18	38.18
A6-E_15_c		micaschist	Timmeltal	36.56	0.14	20.09	0.11	27.06	0.80	2.91	8.43	2.56	98.39	11.22	63.64	23.40	1.75	65.38
A6-E_16_r		micaschist	Timmeltal	36.42	0.10	20.08	0.00	23.58	0.69	4.51	8.84	3.64	97.49	17.12	57.25	24.13	1.49	58.74
A6-E_16_c		micaschist	Timmeltal	36.88	0.11	20.41	0.05	26.92	0.53	3.52	8.18	2.39	98.75	13.54	62.70	22.59	1.16	63.86
A6-E_17_r		micaschist	Timmeltal	37.69	0.00	20.94	0.04	18.33	0.09	8.95	8.35	2.70	96.82	33.60	43.69	22.52	0.19	43.88
A6-E_17_c		micaschist	Timmeltal	37.03	0.13	20.35	0.06	26.18	0.63	3.62	8.68	2.15	98.61	13.91	60.69	24.02	1.39	62.07
A6-E_18_r		micaschist	Timmeltal	38.45	0.05	21.48	0.00	15.50	0.07	10.63	8.98	2.63	97.52	39.16	36.91	23.79	0.14	37.05
A6-E_18_c		micaschist	Timmeltal	37.01	0.15	20.33	0.04	27.11	0.68	3.21	8.48	2.39	99.16	12.29	62.88	23.36	1.47	64.35
A6-E_19_r		micaschist	Timmeltal	38.92	0.06	21.63	0.05	15.17	0.06	10.92	9.29	2.49	98.34	39.85	35.65	24.38	0.13	35.78
A6-E_19_c		micaschist	Timmeltal	37.86	0.07	21.01	0.00	25.77	0.27	5.58	7.29	1.78	99.44	21.21	58.32	19.89	0.58	58.90
A6-E_20_r		micaschist	Timmeltal	39.01	0.05	21.59	0.06	15.97	0.04	10.71	9.04	1.78	98.07	39.52	36.40	23.99	0.09	36.49
A6-E_20_c		micaschist	Timmeltal	37.17	0.12	20.60	0.04	28.34	0.49	3.04	8.03	1.74	99.40	11.76	64.85	22.32	1.07	65.92
A6-F_1_r		eclogite	Timmeltal	39.26	0.00	22.53	0.00	24.24	0.19	8.08	6.34	0.07	100.70	30.62	51.68	17.28	0.42	52.10
A6-F_1_c		eclogite	Timmeltal	37.82	0.10	21.56	0.00	30.65	0.42	2.56	7.56	0.26	100.90	10.00	67.80	21.26	0.94	68.74
A6-F_2_r		eclogite	Timmeltal	39.01	0.00	22.55	0.00	23.83	0.18	8.12	6.37	0.59	100.59	30.69	51.62	17.31	0.38	52.00
A6-F_2_c		eclogite	Timmeltal	37.66	0.11	21.45	0.00	29.74	0.80	1.74	8.95	0.27	100.69	6.85	66.08	25.28	1.79	67.87
A6-F_3_r		eclogite	Timmeltal	39.47	0.00	22.59	0.00	23.45	0.38	8.98	5.73	0.51	101.06	33.60	50.18	15.41	0.81	50.99

A7_D_22		eclogite	Frosnitztal	39.27	0.00	22.09	0.00	24.72	0.59	6.59	7.56	0.00	100.82	25.14	52.88	20.71	1.28	54.15
A7_D_23_c		eclogite	Frosnitztal	38.93	0.08	21.58	0.00	29.45	0.78	4.41	6.61	0.00	101.84	16.87	63.25	18.19	1.70	64.94
A7_D_23_r		eclogite	Frosnitztal	40.05	0.09	22.74	0.00	21.96	0.20	8.25	8.17	0.00	101.47	31.07	46.39	22.12	0.42	46.81
A7_D_24_c		eclogite	Frosnitztal	38.64	0.12	21.48	0.00	30.42	0.61	3.66	6.65	0.00	101.57	14.15	66.02	18.48	1.34	67.37
A7_D_24_z		eclogite	Frosnitztal	38.96	0.08	21.54	0.00	29.36	0.89	4.30	6.44	0.00	101.56	16.59	63.59	17.86	1.96	65.55
A7_D_24_r		eclogite	Frosnitztal	39.23	0.00	22.01	0.00	26.77	0.56	5.75	6.88	0.00	101.21	22.09	57.69	18.99	1.23	58.92
A7_D_25_z		eclogite	Frosnitztal	38.83	0.00	21.90	0.08	28.67	0.81	4.95	6.21	0.00	101.46	19.06	61.96	17.21	1.78	63.74
A7_D_25_r		eclogite	Frosnitztal	39.56	0.00	22.14	0.00	25.85	0.45	6.66	6.76	0.00	101.41	25.36	55.19	18.48	0.97	56.16
A7_D_26_z		eclogite	Frosnitztal	39.00	0.07	21.61	0.00	28.60	0.73	5.03	6.43	0.00	101.47	19.26	61.46	17.70	1.58	63.04
A7_D_26_r		eclogite	Frosnitztal	40.06	0.00	22.67	0.00	21.55	0.23	8.61	8.09	0.00	101.20	32.31	45.37	21.83	0.49	45.86
A7_D_27_c		eclogite	Frosnitztal	38.46	0.14	21.25	0.00	29.01	1.63	2.99	7.91	0.04	101.43	11.54	62.94	21.96	3.57	66.51
A7_D_27_r		eclogite	Frosnitztal	40.19	0.00	22.53	0.00	21.19	0.33	8.90	7.66	0.00	100.79	33.61	44.90	20.78	0.71	45.60
A7_D_28_c		eclogite	Frosnitztal	38.35	0.16	21.28	0.00	30.31	0.48	2.98	7.72	0.31	101.56	11.48	66.11	21.36	1.05	67.16
A7_D_28_r		eclogite	Frosnitztal	39.02	0.00	22.13	0.00	26.07	0.41	6.00	7.17	0.00	100.81	23.08	56.22	19.80	0.90	57.12
A7_D_29_c		eclogite	Frosnitztal	38.90	0.08	21.54	0.00	28.74	0.80	5.05	6.25	0.00	101.35	19.33	61.74	17.19	1.74	63.48
A7_D_29_z		eclogite	Frosnitztal	39.03	0.00	21.65	0.00	28.51	0.46	5.33	6.13	0.00	101.11	20.50	61.53	16.96	1.01	62.54
A7_D_29_r		eclogite	Frosnitztal	40.03	0.00	22.51	0.00	22.89	0.23	7.83	8.02	0.00	101.50	29.48	48.34	21.70	0.49	48.82
A7_D_30_c		eclogite	Frosnitztal	38.86	0.08	21.67	0.00	28.58	0.79	4.73	6.72	0.00	101.42	18.16	61.58	18.55	1.71	63.29
A7_D_30_z		eclogite	Frosnitztal	39.26	0.00	21.93	0.00	28.13	0.50	5.47	6.29	0.00	101.58	20.98	60.56	17.36	1.10	61.66
A7_D_30_r		eclogite	Frosnitztal	39.47	0.00	22.13	0.00	24.35	0.26	7.31	7.46	0.01	100.99	27.59	51.60	20.25	0.56	52.16
A7_D_31_z		eclogite	Frosnitztal	38.92	0.00	21.90	0.00	28.60	0.68	5.30	5.95	0.00	101.36	20.39	61.67	16.45	1.49	63.16
A7_D_31_r		eclogite	Frosnitztal	39.07	0.00	22.00	0.00	26.86	0.40	6.02	6.69	0.00	101.05	23.06	57.66	18.41	0.88	58.53
A7_D_32		eclogite	Frosnitztal	38.36	0.13	21.43	0.00	30.05	0.44	3.31	7.49	0.61	101.77	12.68	65.75	20.61	0.96	66.71
A7_D_33_c		eclogite	Frosnitztal	39.37	0.00	22.09	0.08	24.90	0.52	6.27	7.72	0.00	100.94	24.04	53.56	21.27	1.13	54.69
A7_D_33_z		eclogite	Frosnitztal	39.81	0.00	22.54	0.00	23.47	0.36	7.60	7.87	0.00	101.66	28.55	49.44	21.23	0.78	50.22
A7_D_33_r		eclogite	Frosnitztal	40.26	0.00	22.69	0.00	21.44	0.25	8.70	7.51	0.00	100.85	33.12	45.79	20.54	0.54	46.33
A7_D_34_c		eclogite	Frosnitztal	38.50	0.14	21.58	0.00	29.12	0.70	3.89	7.35	0.32	101.57	14.91	63.31	20.26	1.52	64.83
A7_D_34_r		eclogite	Frosnitztal	39.05	0.07	21.92	0.18	25.66	0.75	6.15	7.13	0.00	100.90	23.55	55.17	19.65	1.63	56.80
A7_D_35_c		eclogite	Frosnitztal	38.95	0.00	21.68	0.00	28.82	1.15	4.52	6.31	0.00	101.44	17.45	62.47	17.54	2.53	65.01
A7_D_35_z		eclogite	Frosnitztal	39.33	0.00	21.92	0.00	26.33	0.83	6.04	6.80	0.00	101.26	23.06	56.44	18.68	1.81	58.25
A7_D_35_r		eclogite	Frosnitztal	40.12	0.00	22.71	0.10	21.75	0.34	8.50	7.80	0.00	101.31	32.08	46.04	21.16	0.72	46.76
A7_D_36_c		eclogite	Frosnitztal	38.47	0.08	21.47	0.17	30.31	0.44	3.67	6.84	0.22	101.66	14.15	65.94	18.93	0.97	66.91
A7_D_36_z		eclogite	Frosnitztal	38.82	0.09	21.56	0.10	29.47	0.59	4.18	6.65	0.00	101.46	16.18	64.01	18.50	1.30	65.31
A7_D_36_r		eclogite	Frosnitztal	39.35	0.00	21.86	0.00	27.33	0.24	5.95	6.48	0.00	101.20	22.81	58.80	17.87	0.52	59.32
A7_D_37_c		eclogite	Frosnitztal	38.52	0.20	21.35	0.00	29.85	1.00	3.10	7.61	0.00	101.63	11.98	64.69	21.13	2.20	66.89
A7_D_37_r		eclogite	Frosnitztal	40.00	0.00	22.43	0.00	22.75	0.25	8.19	7.63	0.00	101.24	30.82	48.03	20.62	0.53	48.56
A7_D_38_c		eclogite	Frosnitztal	38.20	0.11	21.15	0.09	29.98	1.52	2.26	7.99	0.75	101.97	8.67	65.98	22.04	3.31	69.29
A7_D_38_z		eclogite	Frosnitztal	38.49	0.10	21.46	0.11	30.74	0.46	3.17	7.08	0.00	101.63	12.31	66.91	19.76	1.02	67.93
A7_D_38_r		eclogite	Frosnitztal	39.26	0.00	22.06	0.08	28.00	0.44	5.61	6.28	0.00	101.73	21.51	60.22	17.31	0.96	61.18
A7_D_39_c		eclogite	Frosnitztal	38.36	0.14	21.23	0.00	29.95	1.47	2.87	7.37	0.05	101.45	11.10	65.15	20.51	3.23	68.39

A7_D_39_z	eclogite	Frosnitztal	38.30	0.20	20.94	0.00	29.13	2.57	1.97	8.33	0.00	101.45	7.66	63.43	23.24	5.66	69.09
A7_D_39_r	eclogite	Frosnitztal	38.93	0.11	21.88	0.00	27.75	0.54	5.20	6.98	0.00	101.39	19.93	59.67	19.23	1.18	60.85
A7_D_40_c	eclogite	Frosnitztal	38.39	0.13	21.28	0.00	30.49	1.08	2.78	7.40	0.05	101.59	10.77	66.28	20.58	2.36	68.65
A7_D_40_z	eclogite	Frosnitztal	38.13	0.11	21.18	0.00	30.87	1.14	2.35	7.40	0.07	101.23	9.14	67.61	20.73	2.52	70.13
A7_D_40_r	eclogite	Frosnitztal	39.10	0.00	22.21	0.07	26.27	0.38	6.23	7.02	0.01	101.29	23.74	56.21	19.24	0.81	57.02
A7_D_41_z	eclogite	Frosnitztal	38.89	0.08	21.74	0.00	28.17	0.42	5.47	5.88	0.00	100.65	21.26	61.39	16.43	0.92	62.31
A7_D_41_r	eclogite	Frosnitztal	38.88	0.00	21.80	0.00	26.94	0.43	6.11	6.41	0.04	100.61	23.42	57.99	17.65	0.94	58.93
A7_D_42_c	eclogite	Frosnitztal	39.17	0.00	21.82	0.18	28.32	0.30	5.76	5.81	0.00	101.35	22.16	61.14	16.06	0.65	61.78
A7_D_42_z	eclogite	Frosnitztal	39.01	0.00	21.83	0.00	28.36	0.30	5.53	5.86	0.00	100.89	21.41	61.62	16.31	0.66	62.29
A7_D_42_r	eclogite	Frosnitztal	40.14	0.00	22.83	0.08	20.98	0.21	9.01	7.77	0.00	101.02	34.03	44.43	21.09	0.45	44.88
A7_D_43_c	eclogite	Frosnitztal	39.24	0.00	22.07	0.00	27.72	0.46	5.78	5.87	0.00	101.14	22.39	60.26	16.34	1.00	61.27
A7_D_43_r	eclogite	Frosnitztal	38.98	0.00	22.02	0.00	27.45	0.25	5.97	6.36	0.00	101.03	22.88	59.05	17.52	0.55	59.60
A7_D_44_c	eclogite	Frosnitztal	38.48	0.00	21.54	0.00	29.29	0.66	4.11	6.63	0.00	100.71	16.01	63.99	18.55	1.45	65.44
A7_D_44_z	eclogite	Frosnitztal	37.86	0.00	21.57	0.00	28.98	0.71	4.29	6.20	0.48	100.04	16.71	64.35	17.37	1.57	65.92
A7_D_44_r	eclogite	Frosnitztal	38.55	0.00	21.95	0.00	27.19	0.23	6.01	5.86	0.00	99.78	23.47	59.58	16.44	0.51	60.09
A7_D_45_c	eclogite	Frosnitztal	38.16	0.07	21.79	0.00	28.09	0.60	4.90	6.45	0.22	100.26	19.03	61.64	18.00	1.33	62.96
A7_D_45_z	eclogite	Frosnitztal	38.22	0.00	21.97	0.00	28.04	0.44	5.29	6.08	0.13	100.15	20.60	61.45	16.99	0.96	62.41
A7_D_45_r	eclogite	Frosnitztal	38.51	0.00	21.93	0.00	26.92	0.38	6.04	6.11	0.00	99.90	23.47	58.63	17.06	0.84	59.47
A7_D_46_z	eclogite	Frosnitztal	37.39	0.00	21.30	0.00	28.31	0.77	3.95	6.70	0.93	99.26	15.46	64.00	18.84	1.71	65.70
A7_D_46_r	eclogite	Frosnitztal	38.18	0.00	21.89	0.00	27.19	0.40	5.50	6.45	0.29	99.88	21.33	59.80	17.99	0.88	60.67
A7_D_47_c	eclogite	Frosnitztal	38.69	0.00	22.01	0.00	27.12	0.72	5.54	6.66	0.12	100.85	21.30	58.71	18.41	1.58	60.29
A7_D_47_z	eclogite	Frosnitztal	39.12	0.00	22.35	0.00	23.39	0.37	6.98	8.06	0.00	100.26	26.75	50.26	22.18	0.81	51.07
A7_D_47_r	eclogite	Frosnitztal	39.45	0.00	22.56	0.00	21.78	0.22	8.16	7.81	0.00	99.98	31.25	46.78	21.49	0.47	47.25
A7_D_48_c	eclogite	Frosnitztal	38.35	0.00	21.80	0.00	29.31	0.87	4.29	6.00	0.00	100.62	16.80	64.38	16.88	1.94	66.32
A7_D_48_z	eclogite	Frosnitztal	38.59	0.00	21.76	0.00	27.83	0.94	5.43	5.99	0.23	100.76	20.89	60.49	16.57	2.06	62.55
A7_D_48_r	eclogite	Frosnitztal	38.76	0.00	21.83	0.00	26.38	0.57	6.07	6.13	0.00	99.74	23.70	57.81	17.22	1.27	59.08
A7_D_49_z	eclogite	Frosnitztal	38.64	0.00	21.76	0.00	28.05	0.98	5.11	6.21	0.00	100.76	19.76	60.82	17.25	2.16	62.99
A7_D_49_r	eclogite	Frosnitztal	39.30	0.00	22.45	0.07	21.36	0.37	7.77	8.52	0.00	99.84	29.79	45.93	23.48	0.80	46.73
A7_D_50_c	eclogite	Frosnitztal	38.43	0.00	21.84	0.00	26.71	0.86	4.90	7.52	0.11	100.37	18.96	58.22	20.92	1.90	60.11
A7_D_50_z	eclogite	Frosnitztal	39.03	0.00	22.26	0.00	24.82	0.63	6.36	7.51	0.00	100.61	24.42	53.47	20.72	1.38	54.86
A7_D_50_r	eclogite	Frosnitztal	39.07	0.00	22.48	0.00	21.53	0.27	8.19	7.65	0.00	99.20	31.61	46.58	21.21	0.60	47.18
A7-F_1_r	eclogite	Frosnitztal	38.89	0.00	22.73	0.00	20.51	0.28	9.34	7.08	1.50	100.18	34.78	45.69	18.94	0.59	46.28
A7-F_1_c	eclogite	Frosnitztal	38.79	0.00	22.58	0.08	23.17	0.49	8.29	6.19	1.22	100.69	31.13	51.11	16.71	1.04	52.15
A7-F_2_r	eclogite	Frosnitztal	39.11	0.00	22.83	0.00	21.52	0.42	8.52	7.52	0.89	100.72	31.94	46.93	20.24	0.89	47.81
A7-F_2_c	eclogite	Frosnitztal	37.88	0.00	21.73	0.00	27.20	0.83	4.88	6.68	1.33	100.40	18.70	61.08	18.41	1.80	62.88
A7-F_3_r	eclogite	Frosnitztal	39.30	0.00	22.64	0.00	21.09	0.30	9.49	6.78	1.01	100.50	35.33	45.92	18.12	0.63	46.55
A7-F_3_c	eclogite	Frosnitztal	38.15	0.18	21.75	0.00	28.96	0.46	4.13	7.03	0.54	101.15	15.91	63.63	19.46	1.00	64.63
A7-F_4_r	eclogite	Frosnitztal	38.71	0.00	22.76	0.00	22.41	0.48	8.43	6.52	1.70	100.84	31.44	50.07	17.48	1.01	51.08
A7-F_4_c	eclogite	Frosnitztal	37.62	0.11	21.78	0.00	27.36	0.78	4.11	7.51	1.44	100.55	15.78	61.78	20.74	1.70	63.48
A7-F_5_r	eclogite	Frosnitztal	39.11	0.00	22.96	0.00	21.03	0.28	9.24	7.01	1.21	100.71	34.41	46.23	18.78	0.59	46.82

A7-F_5_c		eclogite	Frosnitztal	37.91	0.00	22.03	0.00	27.32	0.70	4.80	6.83	1.01	100.50	18.52	61.04	18.91	1.53	62.57
A7-F_6_r		eclogite	Frosnitztal	39.34	0.00	22.45	0.00	22.59	0.53	8.71	6.55	0.80	100.89	32.50	48.79	17.58	1.13	49.92
A7-F_6_c		eclogite	Frosnitztal	38.02	0.10	21.85	0.00	28.17	0.68	4.78	6.38	1.34	101.18	18.23	62.81	17.48	1.47	64.29
A7-F_7_r		eclogite	Frosnitztal	38.81	0.00	22.62	0.00	22.41	0.45	8.59	6.43	1.06	100.26	32.33	49.33	17.38	0.96	50.29
A7-F_7_c		eclogite	Frosnitztal	38.09	0.08	21.89	0.00	27.59	0.82	4.80	6.74	0.67	100.63	18.52	60.99	18.68	1.80	62.80
A7-F_8_r		eclogite	Frosnitztal	39.36	0.00	22.93	0.00	21.26	0.30	9.23	7.06	1.12	101.15	34.24	46.31	18.81	0.64	46.95
A7-F_8_c		eclogite	Frosnitztal	38.39	0.18	21.92	0.00	27.82	0.72	5.14	6.52	0.11	100.79	19.84	60.48	18.10	1.58	62.06
A7-F_9_r		eclogite	Frosnitztal	39.13	0.00	22.67	0.00	20.86	0.36	9.08	7.32	1.23	100.52	33.78	45.88	19.59	0.75	46.63
A7-F_9_c		eclogite	Frosnitztal	38.13	0.00	21.94	0.00	27.47	0.74	4.88	6.78	0.98	100.82	18.70	61.00	18.68	1.62	62.62
A7-F_10_r		eclogite	Frosnitztal	39.05	0.00	22.49	0.00	21.85	0.61	8.71	6.79	1.10	100.49	32.56	47.89	18.25	1.30	49.19
A7-F_10_c		eclogite	Frosnitztal	38.00	0.00	21.89	0.00	27.59	0.75	4.80	6.66	1.22	100.78	18.39	61.64	18.33	1.63	63.28
A7-F_11_r		eclogite	Frosnitztal	37.85	0.07	22.13	0.09	26.73	0.80	5.33	6.46	1.19	100.54	20.50	59.91	17.85	1.74	61.66
A7-F_11_c		eclogite	Frosnitztal	38.48	0.00	21.99	0.00	27.42	0.65	5.20	6.76	0.96	101.36	19.78	60.34	18.48	1.41	61.74
A7-F_12_r		eclogite	Frosnitztal	39.41	0.00	22.81	0.00	20.30	0.40	9.62	7.24	0.89	100.58	35.77	44.04	19.34	0.85	44.89
A7-F_12_c		eclogite	Frosnitztal	38.62	0.00	22.22	0.09	25.36	0.56	6.61	6.60	0.86	100.85	25.10	55.67	18.02	1.21	56.88
A7-F_13_r		eclogite	Frosnitztal	39.49	0.19	22.88	0.00	21.57	0.29	9.34	6.94	0.54	101.17	34.77	46.07	18.56	0.60	46.67
A7-F_13_c		eclogite	Frosnitztal	38.10	0.07	21.75	0.00	29.87	0.54	3.74	6.66	0.20	100.91	14.55	65.63	18.64	1.19	66.81
A7-F_14_r		eclogite	Frosnitztal	39.21	0.00	22.50	0.00	23.54	0.47	8.39	6.18	0.23	100.49	31.76	50.42	16.80	1.02	51.44
A7-F_14_c		eclogite	Frosnitztal	38.36	0.00	21.73	0.00	28.85	0.56	4.27	6.91	0.50	101.12	16.43	63.24	19.10	1.23	64.47
A7-F_15_r		eclogite	Frosnitztal	39.70	0.00	22.82	0.00	21.65	0.37	9.32	6.90	0.50	101.20	34.68	46.11	18.44	0.77	46.88
A7-F_15_c		eclogite	Frosnitztal	39.09	0.00	22.45	0.00	24.79	0.45	7.26	6.66	0.55	101.21	27.41	53.54	18.07	0.97	54.51
A7-F_16_r		eclogite	Frosnitztal	38.82	0.00	22.63	0.00	20.77	0.33	9.03	7.19	1.54	100.16	33.68	46.36	19.26	0.70	47.06
A7-F_16_c		eclogite	Frosnitztal	37.51	0.13	21.38	0.00	28.54	2.48	2.64	7.20	0.47	100.31	10.35	63.79	20.33	5.53	69.32
A7-F_17_r		eclogite	Frosnitztal	39.56	0.00	22.96	0.00	21.09	0.36	9.38	7.12	1.05	101.41	34.67	45.67	18.91	0.75	46.42
A7-F_17_c		eclogite	Frosnitztal	38.26	0.07	21.94	0.00	27.71	0.72	4.98	6.64	0.66	100.92	19.12	60.98	18.33	1.58	62.55
A7-F_18_r		eclogite	Frosnitztal	39.30	0.00	22.50	0.00	23.16	0.60	8.29	6.59	0.68	101.05	31.06	49.94	17.73	1.28	51.22
A7-F_18_c		eclogite	Frosnitztal	38.09	0.08	21.43	0.00	26.67	3.32	3.01	7.97	0.47	101.00	11.66	58.85	22.19	7.30	66.15
A7-F_19_r		eclogite	Frosnitztal	39.38	0.00	22.37	0.06	22.37	0.60	8.61	6.84	0.81	100.97	32.08	48.31	18.33	1.28	49.59
A7-F_19_c		eclogite	Frosnitztal	38.02	0.10	21.83	0.00	28.70	0.62	4.06	7.02	0.66	100.93	15.69	63.47	19.49	1.35	64.83
A7-F_20_r		eclogite	Frosnitztal	39.30	0.00	22.57	0.00	21.91	0.45	8.95	6.77	0.82	100.69	33.43	47.45	18.17	0.95	48.40
A7-F_20_c		eclogite	Frosnitztal	38.29	0.08	21.72	0.00	28.89	0.57	4.25	6.88	0.35	101.00	16.41	63.25	19.09	1.25	64.50
A7-G_1_r		eclogite	Frosnitztal	39.50	0.00	22.21	0.07	21.03	0.22	8.30	8.73	0.20	100.24	31.20	44.73	23.59	0.47	45.21
A7-G_1_c		eclogite	Frosnitztal	38.48	0.22	21.63	0.07	25.25	1.80	4.56	8.60	0.04	100.65	17.56	54.67	23.84	3.94	58.61
A7-G_2_r		eclogite	Frosnitztal	39.76	0.00	22.29	0.00	20.91	0.25	8.52	8.73	0.41	100.84	31.71	44.41	23.34	0.54	44.95
A7-G_2_c		eclogite	Frosnitztal	38.54	0.08	21.77	0.00	26.48	0.74	4.28	8.83	0.55	101.20	16.34	57.82	24.24	1.60	59.42
A7-G_3_r		eclogite	Frosnitztal	39.51	0.07	22.39	0.07	20.57	0.26	8.32	9.09	0.67	100.87	30.95	44.20	24.30	0.56	44.76
A7-G_3_c		eclogite	Frosnitztal	38.36	0.00	21.61	0.09	26.39	0.92	3.93	9.01	0.53	100.80	15.12	57.97	24.90	2.01	59.98
A7-G_4_r		eclogite	Frosnitztal	39.12	0.09	21.95	0.00	22.25	0.26	6.87	9.45	0.48	100.43	25.89	47.95	25.61	0.55	48.51
A7-G_4_c		eclogite	Frosnitztal	38.51	0.08	21.55	0.09	25.59	0.52	4.67	9.12	0.90	100.92	17.75	56.24	24.89	1.11	57.36
A7-G_5_r		eclogite	Frosnitztal	39.14	0.00	22.19	0.00	21.96	0.30	7.24	9.08	0.79	100.61	27.15	47.71	24.49	0.64	48.35

A7-G_5_c		eclogite	Frosnitztal	38.32	0.08	21.58	0.08	26.49	0.86	4.19	8.64	0.74	100.89	16.03	58.32	23.77	1.88	60.20
A7-G_6_r		eclogite	Frosnitztal	39.07	0.08	22.16	0.12	22.62	0.32	6.90	9.01	0.78	100.98	25.90	49.10	24.32	0.68	49.78
A7-G_6_c		eclogite	Frosnitztal	38.19	0.00	21.46	0.00	27.49	1.08	3.56	8.38	0.54	100.64	13.76	60.61	23.27	2.36	62.97
A7-G_7_r		eclogite	Frosnitztal	38.93	0.00	22.06	0.10	23.26	0.36	6.01	9.53	0.71	100.90	22.70	50.65	25.88	0.77	51.42
A7-G_7_c		eclogite	Frosnitztal	38.35	0.13	21.61	0.07	24.78	0.55	4.50	9.85	0.81	100.58	17.18	54.61	27.01	1.20	55.81
A7-G_8_r		eclogite	Frosnitztal	39.70	0.00	22.48	0.00	21.34	0.21	8.88	7.83	0.00	100.44	33.39	45.01	21.14	0.45	45.46
A7-G_8_c		eclogite	Frosnitztal	39.20	0.00	22.08	0.14	21.96	0.25	6.74	9.88	0.83	101.00	25.21	47.66	26.59	0.54	48.20
A7-G_9_r		eclogite	Frosnitztal	39.57	0.00	22.39	0.07	20.77	0.20	8.52	8.71	0.49	100.67	31.82	44.41	23.36	0.42	44.83
A7-G_9_c		eclogite	Frosnitztal	38.06	0.18	20.99	0.00	27.02	0.54	3.63	9.08	0.91	100.32	13.92	59.89	25.02	1.17	61.06
A7-G_10_r		eclogite	Frosnitztal	39.20	0.00	21.91	0.00	22.13	0.26	7.13	9.19	0.97	100.69	26.62	48.18	24.65	0.55	48.73
A7-G_10_c		eclogite	Frosnitztal	38.53	0.36	21.37	0.00	26.14	0.57	4.78	8.71	0.50	100.91	18.20	56.75	23.83	1.23	57.98
A7-G_11_r		eclogite	Frosnitztal	38.87	0.07	21.48	0.10	23.44	0.36	6.01	9.38	0.83	100.47	22.66	51.15	25.41	0.77	51.92
A7-G_11_c		eclogite	Frosnitztal	38.53	0.08	21.24	0.08	25.04	0.54	4.95	9.15	0.86	100.39	18.81	55.03	24.99	1.17	56.19
A7-G_12_r		eclogite	Frosnitztal	39.58	0.00	22.15	0.09	20.69	0.19	8.49	8.84	0.33	100.32	31.77	44.06	23.76	0.41	44.47
A7-G_12_c		eclogite	Frosnitztal	38.82	0.11	21.64	0.11	20.97	0.55	4.37	13.43	0.63	100.57	16.54	45.73	36.55	1.19	46.92
A7-G_13_r		eclogite	Frosnitztal	39.41	0.00	22.09	0.00	20.50	0.40	8.01	9.32	0.32	100.03	30.12	43.85	25.19	0.85	44.70
A7-G_13_c		eclogite	Frosnitztal	37.34	0.11	20.51	0.00	28.39	0.84	2.90	8.08	1.32	99.36	11.23	64.39	22.52	1.86	66.25
A7-G_14_r		eclogite	Frosnitztal	38.40	0.00	21.18	0.11	23.98	0.45	5.48	9.14	1.21	99.83	20.78	53.33	24.91	0.98	54.31
A7-G_14_c		eclogite	Frosnitztal	37.67	0.15	20.88	0.17	28.24	0.90	2.97	8.39	1.05	100.30	11.47	63.26	23.30	1.97	65.23
A7-G_15_r		eclogite	Frosnitztal	38.02	0.07	21.13	0.00	23.62	0.32	5.51	9.17	1.35	99.06	21.02	53.15	25.14	0.70	53.85
A7-G_15_c		eclogite	Frosnitztal	37.32	0.19	20.23	0.07	27.16	1.08	2.73	9.12	1.85	99.56	10.47	62.03	25.14	2.36	64.39
A7-G_16_r		eclogite	Frosnitztal	38.96	0.10	21.86	0.00	21.78	0.41	7.38	8.84	0.45	99.74	27.95	47.11	24.05	0.89	48.00
A7-G_16_c		eclogite	Frosnitztal	37.61	0.18	20.62	0.00	24.99	2.90	3.17	9.02	1.45	99.80	12.16	56.62	24.88	6.33	62.96
A7-G_17_r		eclogite	Frosnitztal	39.55	0.00	22.08	0.00	19.89	0.46	8.44	9.27	0.58	100.21	31.48	42.70	24.85	0.97	43.67
A7-G_17_c		eclogite	Frosnitztal	37.61	0.00	20.78	0.00	27.40	0.78	3.64	8.03	1.59	99.67	13.98	62.14	22.18	1.70	63.84
A7-G_18_r		eclogite	Frosnitztal	38.57	0.09	21.19	0.10	25.64	0.46	5.45	8.10	0.56	100.10	20.81	55.98	22.21	1.00	56.98
A7-G_18_c		eclogite	Frosnitztal	37.12	0.16	20.28	0.00	28.38	1.22	2.59	8.04	1.23	98.90	10.12	64.61	22.58	2.70	67.31
A7-G_19_r		eclogite	Frosnitztal	38.65	0.00	21.52	0.00	25.01	0.48	5.69	8.26	0.41	99.99	21.76	54.48	22.72	1.04	55.51
A7-G_19_c		eclogite	Frosnitztal	37.70	0.15	21.02	0.09	28.72	0.80	2.81	8.34	0.96	100.49	10.88	64.19	23.18	1.75	65.94
A7-G_20_r		eclogite	Frosnitztal	38.03	0.10	21.00	0.10	26.11	0.53	5.06	7.73	0.97	99.53	19.41	58.10	21.33	1.16	59.25
A7-G_20_c		eclogite	Frosnitztal	36.70	0.16	20.11	0.00	24.78	1.76	3.87	8.24	2.38	97.77	14.96	58.30	22.87	3.87	62.17
A7-B1_1_c		eclogite	Frosnitztal	37.84	0.11	21.42	0.00	26.86	1.32	1.28	11.61	0.35	100.74	5.00	59.50	32.57	2.92	62.43
A7-B1_1_r		eclogite	Frosnitztal	37.90	0.18	21.41	0.00	27.44	0.53	1.74	11.25	0.35	100.75	6.76	60.61	31.47	1.16	61.77
A7-B1_2_c		eclogite	Frosnitztal	37.87	0.14	21.29	0.00	27.58	0.63	1.62	11.15	0.29	100.55	6.34	60.96	31.29	1.40	62.37
A7-B1_2_r		eclogite	Frosnitztal	38.03	0.11	21.45	0.00	27.91	0.22	2.71	9.84	0.32	100.57	10.54	61.47	27.49	0.49	61.97
A7-B1_3_c		eclogite	Frosnitztal	37.91	0.12	21.24	0.00	27.90	0.66	1.61	10.93	0.48	100.81	6.25	61.76	30.54	1.45	63.21
A7-B1_3_r		eclogite	Frosnitztal	38.05	0.16	21.35	0.00	27.54	0.45	1.75	11.34	0.20	100.81	6.81	60.50	31.71	0.99	61.49
A7-B1_4_c		eclogite	Frosnitztal	37.82	0.14	21.28	0.00	28.35	0.64	1.68	10.40	0.00	100.32	6.62	62.56	29.40	1.42	63.98
A7-B1_4_r		eclogite	Frosnitztal	38.07	0.14	21.38	0.00	27.93	0.19	2.82	9.76	0.54	100.78	10.90	61.58	27.11	0.41	61.99
A7-B1_5_c		eclogite	Frosnitztal	38.06	0.11	21.47	0.00	28.55	0.45	2.32	9.73	0.62	101.25	8.95	63.05	27.01	0.99	64.04

A7-B1_5_r		eclogite	Frosnitztal	37.89	0.13	21.66	0.00	28.75	0.31	2.42	9.41	0.62	101.12	9.37	63.74	26.22	0.67	64.41
A7-B1_6_c		eclogite	Frosnitztal	37.98	0.12	21.43	0.00	28.54	0.45	1.99	10.07	0.00	100.58	7.80	62.80	28.39	1.01	63.81
A7-B1_6_r		eclogite	Frosnitztal	37.82	0.09	21.31	0.00	29.26	0.32	2.32	9.03	0.29	100.42	9.09	64.80	25.40	0.71	65.51
A7-B1_7_c		eclogite	Frosnitztal	37.68	0.75	21.10	0.00	28.17	0.47	1.83	10.54	0.00	100.53	7.20	62.03	29.73	1.04	63.07
A7-B1_7_r		eclogite	Frosnitztal	38.04	0.11	21.45	0.00	28.66	0.21	2.60	9.43	0.44	100.90	10.09	63.19	26.26	0.47	63.65
A7-B1_8_c		eclogite	Frosnitztal	38.10	0.12	21.45	0.00	28.04	0.35	2.55	9.94	1.07	101.50	9.75	62.19	27.31	0.75	62.94
A7-B1_8_r		eclogite	Frosnitztal	38.16	0.13	21.64	0.00	28.41	0.33	2.75	9.44	0.24	101.08	10.68	62.29	26.31	0.72	63.01
A7-B1_9_c		eclogite	Frosnitztal	37.99	0.12	21.41	0.00	28.34	0.52	1.72	10.62	0.21	100.91	6.69	62.40	29.75	1.16	63.56
A7-B1_9_r		eclogite	Frosnitztal	38.16	0.06	21.61	0.00	28.20	0.29	2.79	9.54	0.37	100.98	10.80	62.01	26.55	0.64	62.65
A7-B1_10_c		eclogite	Frosnitztal	37.90	0.17	21.42	0.00	27.19	0.68	1.48	11.68	0.48	100.95	5.75	60.16	32.58	1.50	61.67
A7-B1_10_r		eclogite	Frosnitztal	38.05	0.15	21.60	0.00	27.86	0.33	2.26	10.40	0.00	100.65	8.86	61.15	29.26	0.74	61.89
A7-B1_11_c		eclogite	Frosnitztal	37.83	0.07	21.36	0.00	27.98	0.79	1.44	10.89	0.22	100.55	5.65	61.92	30.67	1.76	63.69
A7-B1_11_r		eclogite	Frosnitztal	37.97	0.08	21.74	0.00	28.03	0.31	2.77	9.52	0.53	100.89	10.76	62.02	26.54	0.68	62.71
A7-B1_12_c		eclogite	Frosnitztal	38.14	0.20	21.44	0.00	26.13	0.84	1.28	12.90	0.08	101.00	4.96	57.14	36.03	1.87	59.00
A7-B1_12_r		eclogite	Frosnitztal	37.96	0.15	21.60	0.00	27.72	0.33	2.34	10.37	0.38	100.83	9.11	61.19	28.98	0.73	61.92
A7-B1_13_c		eclogite	Frosnitztal	37.75	0.16	21.31	0.00	23.92	5.44	1.00	10.99	0.51	101.03	3.89	53.29	30.77	12.05	65.34
A7-B1_13_r		eclogite	Frosnitztal	38.35	0.13	21.80	0.00	27.43	0.36	2.46	10.65	0.00	101.18	9.56	59.88	29.78	0.79	60.66
A7-B1_14_c		eclogite	Frosnitztal	38.19	0.12	21.48	0.00	26.83	0.82	1.43	12.15	0.46	101.43	5.52	58.98	33.71	1.79	60.77
A7-B1_14_r		eclogite	Frosnitztal	38.22	0.19	21.60	0.00	26.92	0.32	2.10	11.62	0.07	101.03	8.16	58.74	32.39	0.71	59.45
A7-B1_15_c		eclogite	Frosnitztal	38.01	0.06	21.62	0.00	27.72	0.33	2.42	10.25	0.26	100.65	9.43	61.11	28.73	0.73	61.84
A7-B1_15_r		eclogite	Frosnitztal	37.98	0.11	21.51	0.00	27.13	0.36	2.55	10.51	0.55	100.65	9.89	60.05	29.27	0.78	60.83
A7-B1_16_c		eclogite	Frosnitztal	38.05	0.22	21.18	0.00	26.82	1.32	1.30	11.69	0.00	100.57	5.08	59.02	32.96	2.94	61.96
A7-B1_16_r		eclogite	Frosnitztal	38.41	0.08	21.68	0.00	27.13	0.30	3.18	9.86	0.00	100.63	12.40	59.33	27.62	0.66	59.98
A7-B1_17_c		eclogite	Frosnitztal	37.81	0.14	21.46	0.00	25.82	1.02	1.00	13.04	0.77	100.97	3.87	57.61	36.28	2.24	59.85
A7-B1_17_r		eclogite	Frosnitztal	37.96	0.14	21.53	0.00	26.52	0.44	1.71	12.10	0.50	100.85	6.63	58.67	33.74	0.96	59.64
A7-B1_18_c		eclogite	Frosnitztal	38.03	0.14	21.46	0.00	24.44	3.61	0.82	12.49	0.00	101.00	3.21	53.64	35.12	8.02	61.66
A7-B1_18_r		eclogite	Frosnitztal	37.83	0.14	21.31	0.00	25.48	1.97	0.90	12.71	0.05	100.39	3.55	56.20	35.85	4.40	60.60
A7-B1_19_c		eclogite	Frosnitztal	37.98	0.16	21.42	0.00	26.06	0.89	1.07	13.02	0.70	101.23	4.13	57.78	36.13	1.95	59.74
A7-B1_19_r		eclogite	Frosnitztal	38.52	0.11	21.90	0.00	26.14	0.18	2.88	11.38	0.00	101.11	11.17	56.77	31.67	0.39	57.16
A7-B1_20_c		eclogite	Frosnitztal	37.99	0.18	21.29	0.00	23.49	4.87	0.70	12.42	0.20	101.11	2.73	51.73	34.76	10.78	62.51
A7-B1_20_r		eclogite	Frosnitztal	37.97	0.14	21.56	0.00	26.20	0.56	1.42	12.67	0.39	100.87	5.51	57.89	35.37	1.24	59.12
A7-E2_1_c		metabasit	Frosnitztal	37.59	0.15	21.47	0.00	25.64	1.43	1.26	12.29	0.67	100.44	4.92	57.44	34.46	3.17	60.61
A7-E2_1_r		metabasit	Frosnitztal	37.74	0.14	21.57	0.00	26.40	1.07	1.26	12.11	0.44	100.70	4.93	58.70	33.99	2.38	61.08
A7-E2_2_c		metabasit	Frosnitztal	37.56	0.13	21.67	0.00	26.64	1.57	1.29	11.33	0.52	100.64	5.05	59.57	31.90	3.48	63.06
A7-E2_2_r		metabasit	Frosnitztal	37.30	0.14	21.68	0.00	26.40	1.05	1.56	11.31	0.94	100.29	6.10	59.79	31.79	2.33	62.12
A7-E2_3_c		metabasit	Frosnitztal	37.39	0.17	21.74	0.00	27.04	1.00	1.46	11.09	0.79	100.61	5.72	60.90	31.16	2.22	63.12
A7-E2_3_r		metabasit	Frosnitztal	37.93	0.12	21.74	0.00	26.85	0.55	2.48	10.63	0.22	100.51	9.70	59.25	29.84	1.22	60.47
A7-E2_4_c		metabasit	Frosnitztal	37.32	0.20	21.65	0.06	27.14	0.89	1.78	10.61	0.93	100.48	6.94	61.30	29.78	1.97	63.28
A7-E2_4_r		metabasit	Frosnitztal	37.68	0.14	21.59	0.09	27.69	0.82	1.96	10.27	0.40	100.60	7.68	61.60	28.89	1.83	63.43
A7-E2_5_c		metabasit	Frosnitztal	36.69	0.13	21.88	0.00	24.58	1.53	1.34	12.07	2.13	100.13	5.22	57.73	33.68	3.37	61.10

A7-E2_5_r		metabasit	Frosnitztal	37.21	0.16	21.74	0.00	26.32	0.82	1.77	11.20	0.91	100.03	6.93	59.69	31.56	1.83	61.52
A7-E2_6_c		metabasit	Frosnitztal	37.48	0.13	21.51	0.00	25.82	1.15	1.39	12.08	1.01	100.47	5.40	58.31	33.76	2.53	60.84
A7-E2_6_r		metabasit	Frosnitztal	37.53	0.12	21.66	0.04	27.22	0.82	2.11	10.28	0.78	100.48	8.25	61.12	28.82	1.81	62.93
A7-E2_7_c		metabasit	Frosnitztal	37.74	0.14	21.61	0.00	26.62	2.23	1.26	11.02	0.58	101.15	4.91	59.29	30.86	4.94	64.23
A7-E2_7_r		metabasit	Frosnitztal	37.69	0.15	21.54	0.00	27.82	1.02	1.57	10.58	0.14	100.49	6.18	61.65	29.90	2.27	63.92
A7-E2_8_c		metabasit	Frosnitztal	37.54	0.17	21.54	0.00	26.83	1.30	1.36	11.30	0.82	100.78	5.29	60.21	31.61	2.89	63.10
A7-E2_8_r		metabasit	Frosnitztal	37.43	0.15	21.71	0.00	26.46	0.72	2.00	11.03	0.98	100.38	7.80	59.74	30.86	1.60	61.34
A7-E2_9_c		metabasit	Frosnitztal	37.37	0.13	21.57	0.00	24.87	2.68	1.12	11.87	1.12	100.62	4.37	56.49	33.21	5.92	62.42
A7-E2_9_r		metabasit	Frosnitztal	37.68	0.12	21.54	0.00	25.60	2.62	1.04	11.75	0.31	100.63	4.07	56.94	33.14	5.85	62.79
A7-E2_10_c		metabasit	Frosnitztal	37.71	0.14	21.66	0.00	26.01	3.24	1.24	10.71	0.74	101.38	4.80	58.15	29.91	7.14	65.29
A7-E2_10_r		metabasit	Frosnitztal	37.47	0.14	21.81	0.00	26.04	1.51	1.44	11.55	0.69	100.58	5.63	58.52	32.48	3.37	61.89
A7-E2_12_c		metabasit	Frosnitztal	37.09	0.16	21.74	0.00	26.37	0.93	1.73	10.99	1.27	100.15	6.77	60.30	30.87	2.06	62.36
A7-E2_12_r		metabasit	Frosnitztal	37.18	0.13	21.77	0.04	26.76	0.62	2.61	9.78	1.01	99.81	10.24	60.84	27.54	1.38	62.22
A7-E2_13_c		metabasit	Frosnitztal	37.38	0.15	21.71	0.00	25.85	1.60	1.25	11.81	0.71	100.40	4.92	58.26	33.27	3.56	61.82
A7-E2_13_r		metabasit	Frosnitztal	37.28	0.18	21.68	0.00	25.02	2.71	1.05	11.79	0.47	100.14	4.15	56.32	33.45	6.08	62.40
A7-E2_14_c		metabasit	Frosnitztal	37.27	0.18	21.52	0.00	25.78	2.31	1.19	11.30	0.58	100.08	4.70	58.14	31.99	5.16	63.31
A7-E2_14_r		metabasit	Frosnitztal	37.54	0.12	21.62	0.00	27.45	0.92	2.29	9.78	0.33	100.01	9.02	61.25	27.67	2.05	63.30
A7-E2_15_c		metabasit	Frosnitztal	37.54	0.15	21.80	0.00	26.44	1.40	1.46	11.36	1.01	101.07	5.67	59.55	31.69	3.09	62.64
A7-E2_15_r		metabasit	Frosnitztal	37.72	0.11	21.57	0.05	27.43	0.73	2.44	9.90	0.34	100.27	9.56	60.94	27.87	1.63	62.57
A7-E2_16_c		metabasit	Frosnitztal	37.11	0.15	21.64	0.00	25.08	2.86	1.12	11.35	1.01	100.21	4.39	57.22	32.02	6.37	63.59
A7-E2_16_r		metabasit	Frosnitztal	37.56	0.13	21.85	0.00	27.38	0.77	2.28	9.99	0.93	100.79	8.87	61.53	27.90	1.69	63.23
A7-E2_17_c		metabasit	Frosnitztal	37.43	0.15	21.56	0.00	26.38	2.45	1.67	10.18	1.02	100.73	6.51	59.60	28.47	5.42	65.02
A7-E2_17_r		metabasit	Frosnitztal	37.35	0.19	21.60	0.05	26.58	1.21	1.54	11.15	0.85	100.42	6.01	59.98	31.32	2.70	62.67
A7-E2_19_c		metabasit	Frosnitztal	38.03	0.17	21.65	0.00	26.44	1.39	1.39	11.93	0.44	101.40	5.40	58.32	33.22	3.06	61.38
A7-E2_19_r		metabasit	Frosnitztal	37.92	0.14	21.76	0.00	27.49	0.72	2.08	10.57	0.26	100.90	8.11	60.66	29.62	1.60	62.26
A7-E1_1_c		metabasit	Frosnitztal	37.70	0.13	21.01	0.00	28.51	1.44	0.88	10.65	0.50	100.77	3.43	63.47	29.91	3.20	66.66
A7-E1_1_r		metabasit	Frosnitztal	37.18	0.15	20.77	0.00	27.07	0.52	1.07	11.77	0.98	99.42	4.21	61.46	33.16	1.17	62.63
A7-E1_2_c		metabasit	Frosnitztal	37.49	0.16	19.57	0.47	18.93	3.07	0.73	16.89	2.72	99.74	2.74	45.07	45.63	6.56	51.63
A7-E1_2_r		metabasit	Frosnitztal	37.40	0.11	20.94	0.00	26.33	0.51	0.99	12.66	1.10	99.92	3.84	59.63	35.40	1.13	60.76
A7-E1_3_c		metabasit	Frosnitztal	37.77	0.08	19.78	0.19	17.96	2.90	0.96	17.67	2.97	99.98	3.57	43.06	47.25	6.12	49.18
A7-E1_3_r		metabasit	Frosnitztal	38.36	0.09	21.14	0.00	20.68	2.96	0.82	16.24	0.72	100.95	3.15	45.77	44.65	6.44	52.20
A7-E1_4_c		metabasit	Frosnitztal	37.13	1.38	20.40	0.08	27.35	1.50	0.94	11.20	0.00	99.99	3.75	60.91	31.96	3.39	64.30
A7-E1_4_r		metabasit	Frosnitztal	37.77	0.25	21.12	0.00	27.59	0.98	0.92	11.83	0.24	100.69	3.59	60.98	33.24	2.19	63.17
A7-E1_5_c		metabasit	Frosnitztal	37.71	0.29	21.10	0.10	27.44	1.45	1.11	11.28	0.08	100.55	4.37	60.57	31.83	3.22	63.80
A7-E1_5_r		metabasit	Frosnitztal	37.87	0.13	21.32	0.00	27.72	0.44	1.65	11.16	0.15	100.43	6.46	61.16	31.40	0.99	62.14
A7-E1_6_c		metabasit	Frosnitztal	37.83	0.17	21.33	0.00	28.17	0.58	1.24	11.27	0.20	100.78	4.83	62.20	31.67	1.30	63.50
A7-E1_6_r		metabasit	Frosnitztal	37.73	0.21	21.09	0.00	27.71	0.52	1.11	11.79	0.19	100.33	4.34	61.29	33.22	1.15	62.44
A7-E1_7_c		metabasit	Frosnitztal	37.64	0.26	20.92	0.17	27.33	2.99	0.87	10.42	0.29	100.85	3.39	60.63	29.32	6.66	67.28
A7-E1_7_r		metabasit	Frosnitztal	37.92	0.15	21.34	0.00	27.45	0.58	1.22	11.92	0.05	100.61	4.78	60.39	33.54	1.29	61.68
A7-E1_8_c		metabasit	Frosnitztal	37.98	0.13	21.29	0.00	27.14	0.69	1.09	12.29	0.01	100.61	4.27	59.62	34.58	1.53	61.15

A7-E1_8_r		metabasit	Frosnitztal	37.81	0.14	21.11	0.00	26.98	0.55	1.28	12.12	0.34	100.28	4.98	59.78	34.02	1.22	61.00	
A7-E1_9_c		metabasit	Frosnitztal	37.88	0.18	21.18	0.00	27.66	1.53	1.10	11.08	0.00	100.62	4.33	60.96	31.28	3.42	64.39	
A7-E1_9_r		metabasit	Frosnitztal	38.03	0.12	21.35	0.00	27.15	0.60	1.61	11.60	0.00	100.45	6.31	59.69	32.66	1.34	61.03	
A7-E1_10_c		metabasit	Frosnitztal	37.96	0.16	21.36	0.00	26.59	1.45	0.94	12.33	0.09	100.88	3.69	58.47	34.61	3.22	61.70	
A7-E1_11_c		metabasit	Frosnitztal	38.26	0.16	21.50	0.00	27.14	0.59	1.56	12.00	0.11	101.32	6.05	59.24	33.43	1.29	60.53	
A7-E1_11_r		metabasit	Frosnitztal	37.86	0.14	21.28	0.04	26.95	0.55	1.92	11.29	0.38	100.39	7.50	59.67	31.61	1.23	60.90	
A7-E1_10_c		metabasit	Frosnitztal	38.02	0.17	21.29	0.00	27.06	0.78	1.30	12.06	0.07	100.74	5.06	59.39	33.83	1.73	61.11	
A7-E1_12_r		metabasit	Frosnitztal	37.81	0.13	21.29	0.00	27.12	0.62	1.62	11.46	0.33	100.35	6.35	60.09	32.19	1.37	61.46	
A7-E1_13_c		metabasit	Frosnitztal	37.73	0.15	21.26	0.00	27.52	0.65	1.12	11.77	0.16	100.35	4.38	60.94	33.22	1.45	62.39	
A7-E1_13_r		metabasit	Frosnitztal	37.95	0.05	21.45	0.00	27.55	0.68	1.96	10.69	0.30	100.59	7.65	60.88	29.98	1.50	62.37	
A7-E1_14_c		metabasit	Frosnitztal	37.72	0.17	21.34	0.00	27.61	0.66	1.14	11.66	0.16	100.45	4.49	61.14	32.90	1.47	62.60	
A7-E1_14_r		metabasit	Frosnitztal	37.88	0.13	21.41	0.00	27.59	0.56	1.39	11.54	0.18	100.65	5.42	60.89	32.44	1.25	62.14	
A7-E1_15_c		metabasit	Frosnitztal	37.65	0.33	20.95	0.12	26.17	3.17	0.82	11.30	0.16	100.64	3.21	57.89	31.84	7.07	64.96	
A7-E1_15_r		metabasit	Frosnitztal	37.72	0.16	21.18	0.00	27.95	0.72	1.18	11.28	0.29	100.45	4.62	62.00	31.77	1.61	63.61	
A7-E1_16_c		metabasit	Frosnitztal	37.58	0.17	21.31	0.00	27.42	0.81	1.31	11.32	0.51	100.39	5.14	61.22	31.84	1.80	63.02	
A7-E1_16_r		metabasit	Frosnitztal	37.77	0.17	21.32	0.12	27.55	0.79	1.05	11.79	0.74	101.23	4.07	61.34	32.85	1.74	63.08	
A7-E1_17_c		metabasit	Frosnitztal	37.94	0.09	20.13	0.42	19.47	3.19	0.99	16.38	2.07	100.48	3.75	45.08	44.35	6.82	51.90	
A7-E1_17_r		metabasit	Frosnitztal	37.89	0.10	21.61	0.06	26.95	0.28	1.39	12.25	0.39	100.88	5.43	59.67	34.29	0.61	60.28	
A7-E1_18_c		metabasit	Frosnitztal	38.16	0.12	20.81	0.04	19.48	3.17	0.90	16.74	1.28	100.58	3.42	44.00	45.72	6.85	50.85	
A7-E1_18_r		metabasit	Frosnitztal	37.89	0.14	21.45	0.00	27.16	0.37	1.25	12.23	0.24	100.69	4.87	59.98	34.33	0.81	60.80	
A7-E1_19_c		metabasit	Frosnitztal	38.04	0.09	21.25	0.00	19.94	3.04	0.86	16.41	1.30	100.80	3.27	45.17	44.98	6.58	51.75	
A7-E1_19_r		metabasit	Frosnitztal	38.00	0.13	21.37	0.00	27.12	0.39	1.19	12.42	0.07	100.68	4.67	59.58	34.88	0.87	60.46	
A7-E1_20_c		metabasit	Frosnitztal	37.76	0.13	21.49	0.00	27.91	0.82	1.11	11.35	0.36	100.90	4.34	61.94	31.89	1.83	63.77	
A7-E1_20_r		metabasit	Frosnitztal	38.09	0.15	21.39	0.00	27.31	0.70	1.00	12.40	0.29	101.29	3.87	60.00	34.59	1.54	61.54	
Frosnitztal_riversediments_63-125 µm																			
A8-1-1-c	63 - 125 µm	riversedimen	Frosnitztal	37.69	0.13	21.25	0.00	30.51	1.49	0.57	9.49	0.23	101.35	2.22	67.67	26.79	3.32	70.99	
A8-1-1-r	63 - 125 µm	riversedimen	Frosnitztal	37.39	0.10	21.23	0.00	30.45	0.42	0.94	9.56	0.92	100.91	3.66	68.56	26.85	0.93	69.48	
A8-1-2-c	63 - 125 µm	riversedimen	Frosnitztal	37.95	0.14	21.35	0.00	25.80	3.58	0.74	11.53	0.06	101.16	2.88	56.75	32.42	7.95	64.70	
A8-1-2-r	63 - 125 µm	riversedimen	Frosnitztal	37.73	0.08	21.39	0.00	27.47	2.04	0.67	11.29	0.60	101.21	2.59	61.26	31.64	4.52	65.77	
A8-1-3-c	63 - 125 µm	riversedimen	Frosnitztal	37.90	0.10	21.56	0.00	24.81	1.53	1.49	12.79	0.73	100.85	5.76	55.30	35.57	3.36	58.66	
A8-1-3-r	63 - 125 µm	riversedimen	Frosnitztal	38.17	0.11	21.49	0.00	24.43	3.31	1.52	11.90	0.25	101.15	5.89	53.63	33.18	7.29	60.92	
A8-1-4-c	63 - 125 µm	riversedimen	Frosnitztal	37.85	0.16	21.35	0.00	28.65	0.58	1.00	11.22	0.12	100.92	3.94	63.19	31.59	1.28	64.47	
A8-1-4-r	63 - 125 µm	riversedimen	Frosnitztal	37.70	0.12	21.63	0.00	27.96	0.23	1.39	11.32	0.19	100.51	5.47	62.02	31.98	0.52	62.55	
A8-1-5-c	63 - 125 µm	riversedimen	Frosnitztal	37.50	0.56	20.88	0.00	27.89	6.14	1.34	6.48	0.00	100.78	5.32	62.26	18.53	13.88	76.15	
A8-1-5-r	63 - 125 µm	riversedimen	Frosnitztal	37.90	0.36	21.35	0.00	26.95	0.90	1.39	11.60	0.00	100.44	5.47	59.62	32.89	2.02	61.64	
A8-1-6-c	63 - 125 µm	riversedimen	Frosnitztal	37.80	0.11	21.39	0.00	27.92	1.99	1.45	9.96	0.16	100.77	5.70	61.78	28.09	4.43	66.21	
A8-1-6-r	63 - 125 µm	riversedimen	Frosnitztal	38.12	0.06	21.58	0.00	27.70	0.32	2.06	10.80	0.00	100.63	8.07	60.84	30.38	0.71	61.55	
A8-1-7-c	63 - 125 µm	riversedimen	Frosnitztal	37.64	0.09	21.44	0.00	27.50	0.82	1.07	11.60	0.57	100.67	4.19	61.42	32.58	1.81	63.23	
A8-1-7-r	63 - 125 µm	riversedimen	Frosnitztal	37.86	0.09	21.64	0.00	27.08	0.58	1.25	12.07	0.49	101.01	4.85	60.09	33.78	1.29	61.38	
A8-1-8-c	63 - 125 µm	riversedimen	Frosnitztal	37.69	0.14	21.39	0.00	28.85	0.84	1.12	10.53	0.65	101.16	4.38	64.29	29.47	1.86	66.15	

12_A2_5_38r	500-1000 µm	riversedimen	Dorfertal	37.05	0.07	20.93	0.01	30.71	0.74	1.49	8.01	0.22	99.23	5.95	69.35	23.02	1.67	71.03
12_A2_5_39c	500-1000 µm	riversedimen	Dorfertal	37.52	0.01	21.33	0.00	32.65	1.36	3.31	3.85	0.55	100.59	12.99	73.08	10.88	3.05	76.12
12_A2_5_39r	500-1000 µm	riversedimen	Dorfertal	36.92	0.01	20.99	0.03	31.02	2.40	1.92	5.66	0.00	98.93	7.74	70.33	16.43	5.50	75.83
12_A2_5_40c	500-1000 µm	riversedimen	Dorfertal	37.40	0.10	21.14	0.02	28.32	0.74	1.28	10.50	0.51	100.01	5.05	63.57	29.73	1.66	65.22
12_A2_5_40r	500-1000 µm	riversedimen	Dorfertal	37.40	0.08	21.21	0.02	30.04	0.64	1.80	8.03	0.00	99.21	7.25	67.99	23.30	1.46	69.45
12_A2_5_41c	500-1000 µm	riversedimen	Dorfertal	37.61	0.14	21.23	0.03	27.88	0.37	1.19	11.49	0.25	100.20	4.70	62.01	32.46	0.83	62.84
12_A2_5_41r	500-1000 µm	riversedimen	Dorfertal	37.53	0.05	21.19	0.03	28.09	0.58	1.54	10.54	0.05	99.59	6.11	62.56	30.03	1.30	63.86
12_A2_5_42c	500-1000 µm	riversedimen	Dorfertal	37.01	0.12	21.07	0.04	30.28	0.67	1.26	8.71	0.78	99.93	4.98	68.74	24.77	1.51	70.25
12_A2_5_42r	500-1000 µm	riversedimen	Dorfertal	37.44	0.10	21.17	0.01	28.94	0.42	1.47	10.06	0.40	100.00	5.78	64.80	28.49	0.93	65.73
12_A2_5_43c	500-1000 µm	riversedimen	Dorfertal	37.46	0.13	21.13	0.00	27.75	0.67	1.45	10.84	0.92	100.36	5.65	62.49	30.37	1.49	63.98
12_A2_5_43r	500-1000 µm	riversedimen	Dorfertal	37.33	0.06	21.03	0.00	29.75	2.51	2.04	6.84	0.30	99.87	8.11	66.76	19.48	5.66	72.42
12_A2_5_44c	500-1000 µm	riversedimen	Dorfertal	37.40	0.22	20.99	0.04	29.97	0.47	1.28	9.52	0.44	100.33	5.03	67.00	26.92	1.05	68.05
12_A2_5_44r	500-1000 µm	riversedimen	Dorfertal	37.49	0.13	21.12	0.02	27.52	0.43	1.30	11.45	0.40	99.85	5.12	61.53	32.39	0.95	62.49
12_A2_5_45c	500-1000 µm	riversedimen	Dorfertal	37.30	0.08	21.24	0.00	28.86	0.82	1.19	10.05	0.62	100.16	4.68	65.03	28.47	1.83	66.85
12_A2_5_45r	500-1000 µm	riversedimen	Dorfertal	37.32	0.11	21.19	0.00	28.34	0.66	1.69	9.92	0.78	100.01	6.63	63.94	27.97	1.47	65.40
12_A2_5_46c	500-1000 µm	riversedimen	Dorfertal	37.25	0.06	21.32	0.00	29.04	1.03	1.62	9.08	0.97	100.38	6.35	65.78	25.58	2.30	68.07
12_A2_5_46r	500-1000 µm	riversedimen	Dorfertal	37.73	0.06	21.34	0.00	30.26	0.66	1.86	8.25	0.00	100.16	7.41	67.52	23.58	1.49	69.01
12_A2_5_47c	500-1000 µm	riversedimen	Dorfertal	37.30	0.08	21.11	0.03	30.03	1.63	1.14	8.56	0.46	100.34	4.51	67.51	24.31	3.67	71.18
12_A2_5_47r	500-1000 µm	riversedimen	Dorfertal	37.30	0.07	21.14	0.00	29.04	0.65	1.73	9.27	0.45	99.65	6.85	65.34	26.34	1.47	66.81
12_A2_5_48c	500-1000 µm	riversedimen	Dorfertal	37.00	0.01	21.07	0.01	29.07	4.48	1.51	6.21	0.36	99.71	6.05	65.94	17.84	10.17	76.11
12_A2_5_48r	500-1000 µm	riversedimen	Dorfertal	37.30	0.04	20.94	0.00	32.20	2.00	2.01	5.34	0.01	99.84	8.02	72.13	15.31	4.54	76.66
12_A2_5_49c	500-1000 µm	riversedimen	Dorfertal	37.24	0.07	20.95	0.03	30.26	2.95	1.23	7.14	0.35	100.22	4.89	68.08	20.37	6.66	74.74
12_A2_5_50c	500-1000 µm	riversedimen	Dorfertal	37.05	0.05	21.17	0.00	32.14	0.81	1.00	7.49	0.36	100.07	4.01	72.67	21.49	1.83	74.50
12_A2_5_50r	500-1000 µm	riversedimen	Dorfertal	37.20	0.16	21.10	0.00	31.87	0.76	1.11	7.73	0.00	99.93	4.46	71.58	22.23	1.73	73.31
12_A2_5_52c	500-1000 µm	riversedimen	Dorfertal	37.39	0.13	21.18	0.03	26.75	3.21	1.12	10.02	0.37	100.20	4.42	59.95	28.43	7.20	67.15
12_A2_5_52r	500-1000 µm	riversedimen	Dorfertal	37.58	0.22	21.38	0.00	27.44	2.70	1.28	9.90	0.08	100.56	5.04	60.87	28.05	6.04	66.91

Table S6: Content of heavy minerals from the rock formations of the Tauern window. ¹Cesare et al. (2001), ²Miller (1977), ³Dachs (1986), ⁴Dachs (1990), ⁵Dachs et al. (2005), ⁶Frank et al. (1987), ⁷Dachs and Proyer (2001), ⁸Proyer (1999), ⁹Holland (1979), ¹⁰Hoschek (2001), ¹¹Hoschek (2007) ¹²Kurz et al. (1998), ¹³Spear and Franz (1986), ¹⁴Zimmermann et al. (1994), ¹⁵Höck (1980), ¹⁶Raith et al. (1980), ¹⁷Prey (1937), ¹⁸Froitzheim and Schumacher (2011), ¹⁹Silverstone et al. (1983), ²⁰Henry et al. (2002). X: high content, x: low content, t: traces, n: not present. Ep: epidote, Zo: zoisite, Czo: clinozoisite, Grt: garnet, green Hbl: green calcic amphibole, Ap: apatite, St: staurolite, Ky: kyanite, Act: actinolite, Ttn: titanite, Rt: rutile, Tur: tourmaline, Zrn: zircon, Chl: chlorite, Bt: biotite, Ms: muscovite.

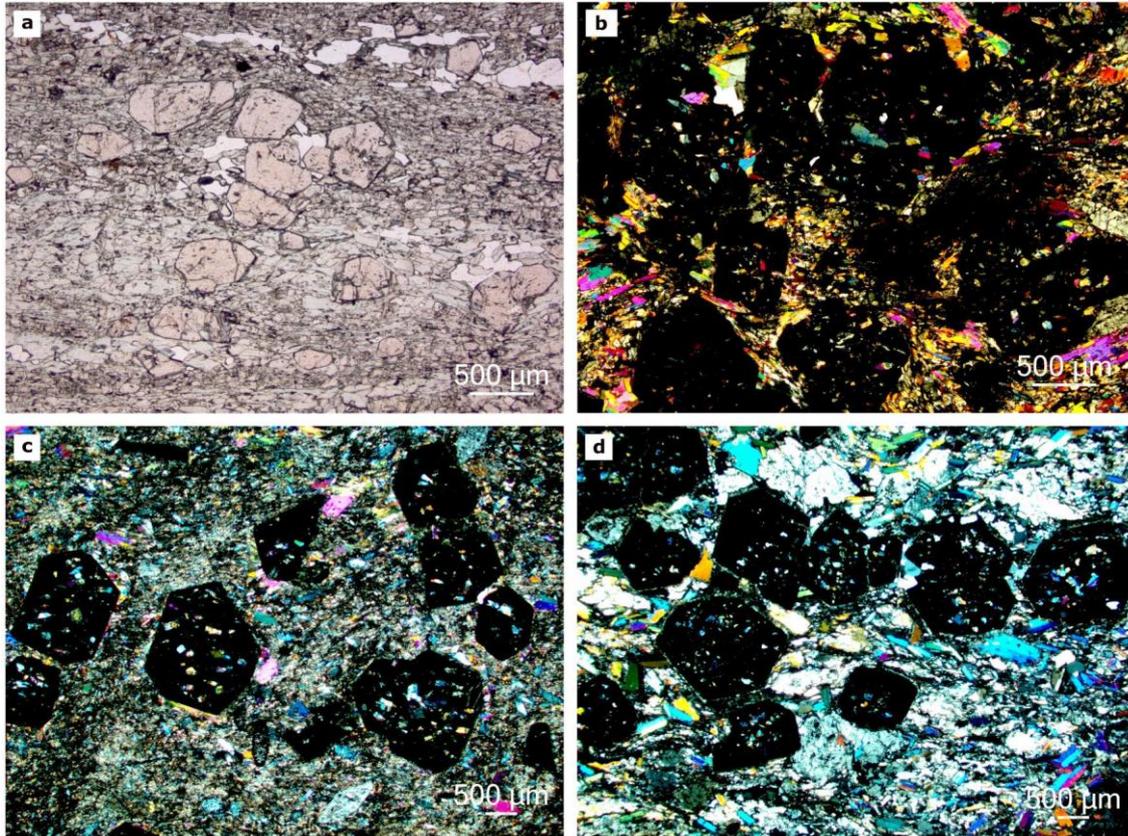
	rock type/mineral	Ep	Zo	Czo	Grt	green Hbl	Ap	St	Ky	Act	Ttn	Rt	Tur	Zrn	Chl	Bt	Ms
venediger nappe	central gneiss Orthogneisses ^{1,17,18} Variscan granitoides	X	x	X,x	X	X	x	x			t	X,x		x	X	X	X
	lower schieferhülle ^{16,1,19,20} serpentinites, metasediments, volcanic rocks, quarzites, marbles, phyllites, carbonates, mica-schists, amphibolites	X,x,t,n	x,n	X, x	X	X, t		x	X	x	t	t	t	t	X,x	X	X
	variscan eclogites ¹⁸				X							t					X
eclogite zone	eclogite-lenses eclogite-facies metagabbros ^{2,9,5,10,11,12,14} retrogressed eclogites ^{7,8}	X,x	X		X	x	x		X,x	X		X,x			t	t	
	metasedimentary rocks ^{2,3,4,9,10,11,13} quarzites, paragneisses, marbles garnet-micaschists, calc-schists	X,n _s	X,x,n _s		X,x _s	X		x	X,x,n				X,x,n _s		X,x	X,x	X
upper Schieferhülle	rote wand -modereck-napp ¹⁸ metasedimentary rocks variscan crystalline rocks				X							t			x	x	X
	glockner nappe ^{16,18} metagabbros, serpentinites amphibolites, mica-schists, calc-schists, chlorite-schists	X	X	X		X				X		t			X		X

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Table S7: Thin sections of some eclogites showing grain sizes of garnets. **a)** Thin section from sample A6-C. **b)** Thin section from sample A7-D under crossed nicols. **c)** Thin section from sample A7-F under crossed nicols. **d)** Thin section from sample A6-F under crossed nicols.



MANUSCRIPT III: Supplementary data

- Table S1: Heavy Mineral Assemblages with and without opaque minerals for the grain size fraction 63–125 μm
- Table S2: Groups of Heavy Mineral Assemblages for the grains size fraction 63–125 μm
- Table S3: Groups of transparent Heavy Mineral Assemblages for the grain size fractions 125–250 μm and 250–500 μm for sample AK-N19-3
- Table S4: Major element composition of garnets; c: core, r: rim, m: mantle
- Table S5: Proportion (%) of the short and the long axes of garnets in the specific grain size range from the stream sediments (AK-N20, AK-N19-4, AK-N19-3 AK-N19-1) and the bedrocks (AK-N21, AK-EA).

Supplementary data (Krippner et al.)

Table S1: Heavy Mineral Assemblages with and without opaque minerals for the grain size fraction 63 – 125 µm

AK-N19-1	proportion [%]	quantity	AK-N19-1	proportion [%]	quantity
unknown	0	1	-	-	-
opaque	1	3	-	-	-
micas	0	0	-	-	-
olivine	87	270	olivine	89	270
garnet	1	2	garnet	1	2
chlorite	0	1	chlorite	-	-
pyroxene	8	25	pyroxene	8	25
green hornblende	1	3	green hornblende	1	3
amphiboles	0	1	amphiboles	0	1
epidote	0	0	epidote	0	0
zoisite	1	2	zoisite	1	2
apatite	0	0	apatite	0	0
zircon	0	1	zircon	0	1
tourmaline	0	0	tourmaline	0	0
rutile	0	0	rutile	0	0
titanite	0	0	titanite	0	0
total	100	309	total	100	304

AK-N19-3	proportion [%]	quantity	AK-N19-3	proportion [%]	quantity
unknown	0	0	-	-	-
opaque	2	8	-	-	-
micas	0	0	-	-	-
olivine	57	185	olivine	62	185
garnet	8	26	garnet	9	26
chlorite	5	16	chlorite	-	-
pyroxene	10	31	pyroxene	10	31
green hornblende	8	27	green hornblende	9	27
amphiboles	0	0	amphiboles	0	0
epidote	1	2	epidote	1	2
zoisite	2	6	zoisite	2	6
apatite	5	15	apatite	5	15
zircon	1	2	zircon	1	2
tourmaline	1	3	tourmaline	1	3
rutile	0	1	rutile	0	1
titanite	0	0	titanite	0	0
total	100	322	total	100	298

AK-N19-4	proportion [%]	quantity	AK-N19-4	proportion [%]	quantity
unknown	0	0	-	-	-
opaque	6	23	-	-	-
micas	9	35	-	-	-
olivine	26	105	olivine	39	105
garnet	4	14	garnet	5	14
chlorite	17	68	chlorite	-	-
pyroxene	6	25	pyroxene	9	25
green hornblende	11	42	green hornblende	15	42
amphiboles	0	0	amphiboles	0	0
epidote	3	10	epidote	4	10
zoisite	6	23	zoisite	8	23
apatite	10	38	apatite	14	38
zircon	1	2	zircon	1	2
tourmaline	3	12	tourmaline	4	12
rutile	0	0	rutile	0	0
titanite	0	0	titanite	0	0
total	100	397	total	100	271

AK-N20	proportion [%]	quantity	AK-N20	proportion [%]	quantity
unknown	0	0	-	-	-
opaque	2	5	-	-	-
micas	4	13	-	-	-
olivine	52	157	olivine	61	157
garnet	2	6	garnet	2	6
chlorite	10	29	chlorite	-	-
pyroxene	9	27	pyroxene	11	27
green hornblende	4	13	green hornblende	5	13
amphiboles	0	0	amphiboles	0	0
epidote	3	10	epidote	4	10
zoisite	5	15	zoisite	6	15
apatite	7	20	apatite	8	20
zircon	1	2	zircon	1	2
tourmaline	1	4	tourmaline	2	4
rutile	0	1	rutile	0	1
titanite	1	2	titanite	1	2
total	100	304	total	100	257

Table S2: Groups of Heavy Mineral Assemblages for the grains size fraction 63 – 125 μm

AK-N19-1	proportion [%]	quantity
olivine	89	270
garnet	1	2
pyroxene	8	25
green hornblende	1	3
epidote group	1	2
apatite	0	0
stable minerals	0	1
others	0	1
total	100	304

AK-N19-3	proportion [%]	quantity
olivine	62	185
garnet	9	26
pyroxene	10	31
green hornblende	9	27
epidote group	3	8
apatite	5	15
stable minerals	2	6
others	0	0
total	100	298

AK-N19-4	proportion [%]	quantity
olivine	39	105
garnet	5	14
pyroxene	9	25
green hornblende	16	42
epidote group	13	33
apatite	14	38
stable minerals	4	14
others	0	0
total	100	271

AK-N20	proportion [%]	quantity
olivine	61	157
garnet	2	6
pyroxene	11	27
green hornblende	5	13
epidote group	10	25
apatite	7	20
stable minerals	2	7
others	1	2
total	100	257

Table S3: Groups of transparent Heavy Mineral Assemblages for the grain size fractions 125 – 250 μm and 250 – 500 μm for sample AK-N19-3

Grain size fraction 125 – 250 μm

AK-N19-3	proportion [%]	quantity
Olivine	59.9	160
Garnet	28.5	76
chlorite	1.5	4
pyroxene	3.0	8
green hornblende	1.1	3
epidote group	2.6	7
Apatite	0.4	1
stable minerals	3.0	8
Others	0.0	0
Total	100.0	267

Grain size fraction 250 – 500 μm

AK-N19-3	proportion [%]	quantity
Olivine	63.2	170
Garnet	24.2	65
chlorite	1.9	5
pyroxene	5.2	14
green hornblende	2.6	7
epidote group	2.6	7
Apatite	0.0	0
stable minerals	0.4	1
Others	0.0	0
Total	100	269

Table S4: Major element composition of garnets; c: core, r: rim, m: mantle

Sample	grain size	lithology	SiO ₂	TiO ₂	Al ₂ O ₃	Cr ₂ O ₃	FeO	MnO	MgO	CaO	Fe ₂ O ₃	Feo-MnO	Total
river sediments (63-125 µm)													
AK-N19-1_1c	63-125 µm	river sediment	39.17	0.04	22.03	0.12	22.88	0.38	9.71	4.92	0.41	23.26	99.66
AK-N19-1_1r	63-125 µm	river sediment	39.83	0.01	22.29	0.14	24.01	0.38	8.76	5.18	0.00	24.39	100.60
AK-N19-1_2c	63-125 µm	river sediment	38.98	0.01	22.31	0.01	23.62	0.44	6.71	8.21	0.00	24.06	100.29
AK-N19-1_2r	63-125 µm	river sediment	39.72	0.01	22.68	0.01	22.00	0.38	6.24	9.94	0.00	22.38	100.98
AK-N19-1_3c	63-125 µm	river sediment	38.22	0.05	21.25	0.01	25.66	0.41	4.16	9.56	0.84	26.08	100.18
AK-N19-1_r	63-125 µm	river sediment	38.15	0.06	21.32	0.01	25.63	0.41	4.33	9.28	0.43	26.04	99.62
AK-N19-1_4c	63-125 µm	river sediment	38.63	0.11	21.16	0.01	25.67	0.36	6.81	6.33	0.61	26.03	99.68
AK-N19-1_4r	63-125 µm	river sediment	38.51	0.12	21.17	0.01	26.00	0.38	6.62	6.22	0.35	26.38	99.38
AK-N19-1_5c	63-125 µm	river sediment	38.21	0.06	21.57	0.01	23.95	0.73	3.84	11.10	0.91	24.68	100.38
AK-N19-1_5r	63-125 µm	river sediment	37.73	0.06	21.30	0.01	24.14	1.54	3.49	10.34	0.28	25.69	98.89
AK-N19-1_6c	63-125 µm	river sediment	39.00	0.01	22.15	0.06	22.30	0.42	6.62	9.46	0.24	22.71	100.25
AK-N19-1_6r	63-125 µm	river sediment	38.39	0.01	21.67	0.04	22.88	0.50	6.34	8.77	0.39	23.37	98.98
AK-N19-1_7c	63-125 µm	river sediment	38.92	0.01	21.88	0.11	24.63	0.63	9.82	2.95	0.64	25.26	99.60
AK-N19-1_7r	63-125 µm	river sediment	38.74	0.01	21.78	0.12	24.54	0.64	9.66	3.06	0.53	25.18	99.09
AK-N19-1_8c	63-125 µm	river sediment	39.06	0.08	21.56	0.09	22.06	0.35	8.70	6.92	0.42	22.41	99.23
AK-N19-1_8r	63-125 µm	river sediment	40.16	0.07	22.40	0.08	22.27	0.38	8.65	6.45	0.00	22.65	100.46
AK-N19-1_9c	63-125 µm	river sediment	38.97	0.01	22.37	0.01	20.44	0.45	7.46	9.69	0.50	20.88	99.89
AK-N19-1_9r	63-125 µm	river sediment	38.83	0.07	21.58	0.06	20.92	0.43	7.20	9.60	0.11	21.36	98.81
AK-N19-1_10c	63-125 µm	river sediment	39.79	0.01	22.71	0.01	21.87	0.46	11.63	3.52	0.05	22.33	100.05
AK-N19-1_10r	63-125 µm	river sediment	39.59	0.01	22.45	0.08	21.04	0.40	11.70	3.94	0.07	21.44	99.27
AK-N19-1_11c	63-125 µm	river sediment	38.86	0.05	21.74	0.09	24.16	0.46	7.22	7.02	0.33	24.62	99.93
AK-N19-1_11r	63-125 µm	river sediment	38.63	0.01	21.54	0.08	24.14	0.46	7.06	7.03	0.47	24.60	99.43
AK-N19-1_12c	63-125 µm	river sediment	37.91	0.07	21.59	0.01	24.68	0.63	3.13	11.32	0.45	25.31	99.78
AK-N19-1_12r	63-125 µm	river sediment	39.02	0.01	22.07	0.01	24.91	0.58	3.10	11.19	0.00	25.50	100.90
AK-N19-1_13c	63-125 µm	river sediment	38.70	0.04	21.98	0.01	24.53	0.52	6.25	7.90	0.48	25.05	100.41
AK-N19-1_13r	63-125 µm	river sediment	38.81	0.01	22.03	0.01	26.11	2.20	4.23	7.58	0.00	28.30	100.98
AK-N19-1_14c	63-125 µm	river sediment	39.19	0.07	21.94	0.04	22.92	0.38	7.93	7.41	0.35	23.29	100.22
AK-N19-1_14r	63-125 µm	river sediment	38.52	0.01	21.99	0.01	22.64	0.42	7.46	7.58	0.69	23.06	99.32
AK-N19-1_15c	63-125 µm	river sediment	39.14	0.01	22.13	0.01	22.98	0.48	9.29	5.29	0.10	23.46	99.43
AK-N19-1_15r	63-125 µm	river sediment	38.85	0.01	21.84	0.01	22.09	0.45	9.19	5.88	0.76	22.55	99.08
AK-N19-1_16c	63-125 µm	river sediment	39.06	0.01	22.25	0.01	21.95	0.36	7.75	8.26	0.64	22.31	100.30
AK-N19-1_16r	63-125 µm	river sediment	39.78	0.04	22.56	0.01	22.14	0.34	7.36	8.42	0.00	22.48	100.65
AK-N19-1_17c	63-125 µm	river sediment	39.27	0.05	22.26	0.01	22.70	0.51	7.89	7.58	0.05	23.21	100.33
AK-N19-1_17r	63-125 µm	river sediment	39.00	0.01	22.17	0.01	23.17	0.51	8.30	6.37	0.19	23.68	99.74
AK-N19-1_18c	63-125 µm	river sediment	38.81	0.01	21.90	0.04	24.44	0.28	6.19	8.33	0.20	24.72	100.19
AK-N19-1_18r	63-125 µm	river sediment	39.25	0.01	22.41	0.09	23.81	0.25	5.99	8.29	0.00	24.07	100.11

AK-N19-1_19c	63-125 µm	river sediment	38.83	0.01	22.00	0.01	25.35	0.27	6.24	7.24	0.00	25.62	99.96
AK-N19-1_19r	63-125 µm	river sediment	38.27	0.01	21.77	0.08	24.88	0.28	6.47	7.08	0.40	25.15	99.24
AK-N19-1_20c	63-125 µm	river sediment	38.75	0.01	21.44	0.01	23.97	0.47	6.75	7.70	0.36	24.44	99.47
AK-N19-1_20r	63-125 µm	river sediment	38.22	0.01	21.61	0.01	23.18	0.48	6.82	7.73	1.30	23.66	99.36
AK-N19-1_21c	63-125 µm	river sediment	38.76	0.08	21.93	0.01	22.40	0.36	6.36	9.62	0.57	22.76	100.08
AK-N19-1_21r	63-125 µm	river sediment	38.48	0.05	21.77	0.01	22.68	0.37	6.56	8.83	0.39	23.05	99.14
AK-N19-1_22c	63-125 µm	river sediment	38.66	0.10	21.72	0.01	24.57	1.06	5.85	7.99	0.41	25.63	100.36
AK-N19-1_22r	63-125 µm	river sediment	38.84	0.06	22.00	0.01	24.57	0.86	5.69	7.93	0.00	25.43	99.95
AK-N19-1_23c	63-125 µm	river sediment	38.04	0.04	21.46	0.05	30.23	0.17	5.92	3.57	0.57	30.40	100.05
AK-N19-1_23r	63-125 µm	river sediment	38.77	0.01	21.72	0.01	30.33	0.14	5.58	3.91	0.00	30.47	100.47
AK-N19-1_24c	63-125 µm	river sediment	38.73	0.01	22.01	0.01	23.90	0.57	5.69	9.13	0.15	24.47	100.20
AK-N19-1_24r	63-125 µm	river sediment	39.27	0.12	22.08	0.01	23.52	0.37	5.04	10.19	0.00	23.89	100.60
AK-N19-1_25c	63-125 µm	river sediment	39.12	0.01	22.12	0.01	24.63	0.45	8.23	5.44	0.00	25.08	100.00
AK-N19-1_25r	63-125 µm	river sediment	38.31	0.01	21.69	0.01	26.80	1.30	5.89	5.63	0.28	28.10	99.91
AK-N19-1_26c	63-125 µm	river sediment	38.64	0.08	21.65	0.01	23.63	0.39	6.82	7.89	0.67	24.01	99.76
AK-N19-1_26r	63-125 µm	river sediment	38.61	0.09	21.51	0.04	23.28	0.39	6.89	8.04	0.85	23.67	99.70
AK-N19-1_27c	63-125 µm	river sediment	38.68	0.06	21.69	0.01	24.12	0.38	6.33	8.21	0.29	24.49	99.77
AK-N19-1_27r	63-125 µm	river sediment	39.30	0.01	22.34	0.01	24.07	0.36	6.36	8.08	0.00	24.43	100.53
AK-N19-1_29c	63-125 µm	river sediment	39.01	0.01	22.11	0.01	24.41	0.39	7.04	7.07	0.00	24.79	100.03
AK-N19-1_29r	63-125 µm	river sediment	39.41	0.05	22.15	0.05	24.68	0.39	6.97	7.11	0.00	25.07	100.81
AK-N19-1_30c	63-125 µm	river sediment	38.36	0.01	21.71	0.01	25.26	0.40	4.85	9.03	0.24	25.66	99.88
AK-N19-1_30r	63-125 µm	river sediment	39.27	0.04	21.96	0.01	25.24	0.38	4.64	9.31	0.00	25.61	100.85
AK-N19-1_31c	63-125 µm	river sediment	38.35	0.01	21.41	0.01	27.94	0.67	4.85	6.72	0.65	28.61	100.61
AK-N19-1_31r	63-125 µm	river sediment	38.81	0.01	21.92	0.01	27.29	0.68	4.53	7.12	0.00	27.97	100.37
AK-N19-1_32c	63-125 µm	river sediment	39.50	0.01	22.34	0.01	21.51	0.40	9.58	6.44	0.38	21.91	100.16
AK-N19-1_32r	63-125 µm	river sediment	40.04	0.01	22.77	0.01	21.73	0.42	9.28	6.23	0.00	22.14	100.48
AK-N19-1_33c	63-125 µm	river sediment	38.30	0.05	20.86	0.01	26.52	0.43	4.12	9.01	0.79	26.95	100.09
AK-N19-1_33r	63-125 µm	river sediment	37.73	0.06	20.57	0.01	25.80	0.45	4.08	9.09	1.25	26.25	99.05
AK-N19-1_34c	63-125 µm	river sediment	38.01	0.04	21.13	0.01	27.76	0.80	4.60	6.80	0.61	28.56	99.76
AK-N19-1_34r	63-125 µm	river sediment	37.95	0.01	20.92	0.01	27.43	0.69	4.59	7.08	0.79	28.12	99.46
AK-N19-1_35c	63-125 µm	river sediment	38.42	0.09	21.54	0.01	25.46	0.39	4.65	9.28	0.11	25.84	99.96
AK-N19-1_35r	63-125 µm	river sediment	37.69	0.09	21.00	0.01	25.07	0.45	4.69	8.79	0.59	25.52	98.38
AK-N19-1_36c	63-125 µm	river sediment	39.43	0.01	22.54	0.01	21.80	0.36	10.87	4.38	0.57	22.16	99.98
AK-N19-1_36r	63-125 µm	river sediment	40.38	0.01	22.99	0.01	22.00	0.35	10.57	3.99	0.00	22.35	100.31
AK-N19-1_37c	63-125 µm	river sediment	37.25	0.04	20.71	0.01	31.54	1.30	1.84	6.59	0.95	32.84	100.23
AK-N19-1_37r	63-125 µm	river sediment	38.23	0.01	21.47	0.01	30.30	1.29	1.64	7.78	0.00	31.59	100.72
AK-N19-1_38c	63-125 µm	river sediment	38.79	0.01	21.98	0.01	23.40	0.43	5.37	10.13	0.24	23.83	100.37
AK-N19-1_38r	63-125 µm	river sediment	38.63	0.04	21.83	0.01	23.29	0.43	5.12	10.14	0.00	23.73	99.49
AK-N19-1_39c	63-125 µm	river sediment	37.68	0.06	20.53	0.01	22.16	5.54	0.70	12.56	0.94	27.70	100.18
AK-N19-1_39r	63-125 µm	river sediment	37.15	0.01	20.83	0.01	22.42	6.59	0.78	10.77	0.00	29.02	98.56

AK-N19-1_40c	63-125 µm	river sediment	39.70	0.01	22.20	0.01	20.94	0.37	10.17	6.28	0.30	21.31	99.98
AK-N19-1_40r	63-125 µm	river sediment	39.67	0.01	22.15	0.01	20.78	0.37	10.18	6.36	0.11	21.15	99.65
AK-N19-1_41c	63-125 µm	river sediment	39.30	0.06	21.72	0.01	22.27	0.38	8.54	7.15	0.55	22.66	99.99
AK-N19-1_41r	63-125 µm	river sediment	38.75	0.09	21.71	0.01	21.53	0.40	8.60	7.14	1.41	21.93	99.64
AK-N19-1_42c	63-125 µm	river sediment	38.92	0.06	21.65	0.01	23.61	0.57	5.73	9.48	0.00	24.18	100.03
AK-N19-1_42r	63-125 µm	river sediment	39.22	0.04	21.82	0.01	23.40	0.56	5.64	9.69	0.00	23.96	100.38
AK-N19-1_43c	63-125 µm	river sediment	39.54	0.01	22.60	0.01	22.21	0.35	11.14	3.81	0.34	22.56	100.01
AK-N19-1_43r	63-125 µm	river sediment	39.14	0.01	22.43	0.01	21.60	0.33	11.20	3.83	1.01	21.93	99.56
AK-N19-1_44c	63-125 µm	river sediment	38.49	0.04	21.83	0.01	22.56	0.54	3.65	12.81	0.00	23.10	99.93
AK-N19-1_44r	63-125 µm	river sediment	39.64	0.05	22.32	0.01	22.01	0.51	3.63	13.21	0.00	22.52	101.38
AK-N19-1_45c	63-125 µm	river sediment	37.97	0.06	20.95	0.01	28.22	0.47	3.88	7.69	1.39	28.69	100.63
AK-N19-1_45r	63-125 µm	river sediment	37.79	0.04	20.64	0.01	28.46	0.46	4.16	6.94	0.97	28.91	99.46
AK-N19-1_47c	63-125 µm	river sediment	37.75	0.05	20.59	0.01	27.97	0.55	3.37	8.32	1.19	28.52	99.81
AK-N19-1_47r	63-125 µm	river sediment	38.58	0.06	21.03	0.01	28.57	0.55	3.20	8.51	0.00	29.12	100.50
AK-N19-1_48c	63-125 µm	river sediment	38.71	0.01	21.90	0.01	22.49	0.40	4.77	11.63	0.13	22.90	100.04
AK-N19-1_48r	63-125 µm	river sediment	38.19	0.01	21.54	0.01	21.21	0.42	4.71	12.21	1.13	21.63	99.44
AK-N19-1_49c	63-125 µm	river sediment	38.49	0.15	21.70	0.01	24.05	0.44	4.63	10.43	0.00	24.49	99.91
AK-N19-1_49r	63-125 µm	river sediment	37.94	0.01	21.60	0.01	23.94	0.49	4.41	10.21	0.55	24.43	99.16
AK-N19-1_50c	63-125 µm	river sediment	38.38	0.05	21.45	0.01	25.12	0.39	4.47	9.73	0.21	25.50	99.81
AK-N19-1_50r	63-125 µm	river sediment	37.85	0.05	21.20	0.01	24.71	0.81	4.44	9.26	0.99	25.52	99.32
AK-N19-3_2c	63-125 µm	river sediment	39.39	0.05	22.15	0.05	20.17	0.40	7.76	9.95	0.66	20.57	100.58
AK-N19-3_2r	63-125 µm	river sediment	38.79	0.06	21.85	0.06	19.32	0.39	7.83	9.96	1.08	19.71	99.34
AK-N19-3_3c	63-125 µm	river sediment	38.48	0.05	21.78	0.01	23.00	0.44	4.68	11.13	0.40	23.44	99.96
AK-N19-3_3r	63-125 µm	river sediment	39.22	0.01	22.43	0.01	25.29	0.48	5.67	7.74	0.00	25.77	100.85
AK-N19-3_4c	63-125 µm	river sediment	39.29	0.06	21.92	0.06	23.20	0.44	7.51	7.80	0.00	23.64	100.29
AK-N19-3_4r	63-125 µm	river sediment	40.24	0.05	22.60	0.05	22.87	0.46	7.44	7.62	0.00	23.32	101.32
AK-N19-3_5c	63-125 µm	river sediment	38.24	0.05	21.49	0.01	26.32	1.61	4.98	6.91	0.00	27.92	99.59
AK-N19-3_5r	63-125 µm	river sediment	37.91	0.01	21.43	0.01	27.20	2.19	4.91	5.59	0.34	29.39	99.59
AK-N19-3_7c	63-125 µm	river sediment	39.98	0.04	22.67	0.01	20.77	0.60	12.92	2.68	0.33	21.37	100.01
AK-N19-3_7r	63-125 µm	river sediment	40.33	0.01	22.88	0.01	21.51	0.61	12.26	2.34	0.00	22.11	99.95
AK-N19-3_8c	63-125 µm	river sediment	38.77	0.01	22.04	0.01	25.68	0.44	5.64	7.88	0.00	26.12	100.48
AK-N19-3_8r	63-125 µm	river sediment	39.03	0.01	22.07	0.01	24.98	0.42	5.52	7.85	0.00	25.40	99.89
AK-N19-3_9c	63-125 µm	river sediment	38.31	0.06	21.46	0.01	26.60	0.60	4.91	7.73	0.61	27.20	100.28
AK-N19-3_9r	63-125 µm	river sediment	38.96	0.01	21.83	0.01	27.33	0.58	4.83	7.35	0.00	27.91	100.90
AK-N19-3_10c	63-125 µm	river sediment	39.17	0.01	21.93	0.12	25.71	0.50	8.85	3.79	0.45	26.21	100.53
AK-N19-3_10r	63-125 µm	river sediment	39.48	0.01	22.07	0.16	25.93	0.53	8.57	3.65	0.00	26.46	100.40
AK-N19-3_11c	63-125 µm	river sediment	39.88	0.01	22.46	0.01	20.52	0.52	10.51	6.18	0.16	21.04	100.25
AK-N19-3_11r	63-125 µm	river sediment	40.72	0.07	23.28	0.01	21.62	0.59	9.22	6.20	0.00	22.20	101.71
AK-N19-3_12c	63-125 µm	river sediment	38.78	0.01	21.84	0.01	26.46	0.38	6.31	6.47	0.10	26.84	100.35
AK-N19-3_12r	63-125 µm	river sediment	38.87	0.01	21.99	0.01	26.70	0.36	6.32	6.25	0.00	27.06	100.51

AK-N19-3_13c	63-125 µm	river sediment	38.39	0.01	21.65	0.01	28.89	0.33	6.14	4.48	0.60	29.22	100.51
AK-N19-3_13r	63-125 µm	river sediment	38.07	0.01	21.20	0.05	28.26	0.32	6.43	4.29	0.94	28.58	99.58
AK-N19-3_14c	63-125 µm	river sediment	38.81	0.09	21.66	0.08	25.14	0.44	8.12	5.02	0.87	25.58	100.22
AK-N19-3_14r	63-125 µm	river sediment	37.99	0.01	21.69	0.01	26.81	0.95	6.74	4.41	0.90	27.76	99.50
AK-N19-3_15c	63-125 µm	river sediment	38.50	0.01	21.73	0.01	27.92	0.37	6.28	5.11	0.41	28.30	100.35
AK-N19-3_15r	63-125 µm	river sediment	38.38	0.01	21.44	0.01	28.58	0.70	5.59	5.02	0.00	29.28	99.72
AK-N19-3_16c	63-125 µm	river sediment	38.60	0.01	21.88	0.01	28.39	0.21	5.79	5.65	0.11	28.60	100.66
AK-N19-3_16r	63-125 µm	river sediment	38.93	0.01	22.01	0.01	28.22	0.18	5.62	5.61	0.00	28.40	100.58
AK-N19-3_17c	63-125 µm	river sediment	38.25	0.05	21.60	0.01	26.92	0.55	5.78	6.25	0.54	27.47	99.95
AK-N19-3_17r	63-125 µm	river sediment	38.62	0.01	21.91	0.01	28.89	1.81	4.08	5.69	0.00	30.70	101.02
AK-N19-3_18c	63-125 µm	river sediment	38.67	0.01	21.98	0.01	28.19	0.92	7.22	3.32	0.20	29.11	100.53
AK-N19-3_18r	63-125 µm	river sediment	38.59	0.01	21.92	0.01	28.58	0.98	6.68	3.25	0.00	29.56	100.03
AK-N19-3_19c	63-125 µm	river sediment	39.60	0.07	22.30	0.12	20.55	0.44	9.77	7.03	0.25	20.99	100.15
AK-N19-3_19r	63-125 µm	river sediment	38.83	0.04	21.86	0.10	20.32	0.44	9.62	6.68	0.86	20.77	98.76
AK-N19-3_20c	63-125 µm	river sediment	37.82	0.07	21.14	0.01	27.70	0.68	0.60	12.34	0.38	28.38	100.74
AK-N19-3_20r	63-125 µm	river sediment	37.61	0.07	21.18	0.01	26.29	1.39	0.71	11.73	0.00	27.68	98.99
AK-N19-3_21c	63-125 µm	river sediment	38.31	0.01	21.37	0.01	27.85	0.69	5.08	6.40	0.98	28.55	100.71
AK-N19-3_21r	63-125 µm	river sediment	38.05	0.01	21.47	0.01	28.14	3.19	3.12	6.56	0.00	31.34	100.55
AK-N19-3_22c	63-125 µm	river sediment	38.93	0.01	22.25	0.01	25.11	0.41	6.59	7.25	0.02	25.52	100.57
AK-N19-3_22r	63-125 µm	river sediment	39.55	0.01	22.54	0.01	26.03	0.55	5.84	6.92	0.00	26.59	101.45
AK-N19-3_23c	63-125 µm	river sediment	38.70	0.06	21.71	0.01	22.85	0.44	3.97	12.46	0.06	23.29	100.25
AK-N19-3_23r	63-125 µm	river sediment	38.97	0.04	21.91	0.01	22.69	0.69	3.68	12.13	0.00	23.39	100.13
AK-N19-3_24c	63-125 µm	river sediment	39.29	0.01	22.33	0.01	20.97	0.30	7.07	10.24	0.05	21.27	100.27
AK-N19-3_24r	63-125 µm	river sediment	39.78	0.05	22.61	0.01	21.31	0.31	6.78	10.06	0.00	21.62	100.91
AK-N19-3_25c	63-125 µm	river sediment	39.48	0.01	22.25	0.01	22.47	0.48	9.12	6.25	0.18	22.95	100.24
AK-N19-3_25r	63-125 µm	river sediment	40.41	0.01	22.81	0.01	22.43	0.46	8.75	6.43	0.00	22.89	101.32
AK-N19-3_26c	63-125 µm	river sediment	39.84	0.01	22.65	0.01	22.01	0.40	10.43	5.16	0.00	22.40	100.49
AK-N19-3_26r	63-125 µm	river sediment	39.84	0.01	22.69	0.01	21.86	0.42	10.65	4.97	0.00	22.29	100.45
AK-N19-3_27c	63-125 µm	river sediment	38.29	0.01	21.43	0.01	30.32	0.27	5.10	4.77	0.10	30.59	100.30
AK-N19-3_27r	63-125 µm	river sediment	37.74	0.01	21.42	0.01	29.42	0.24	5.04	5.06	0.45	29.66	99.39
AK-N19-3_28c	63-125 µm	river sediment	38.22	0.04	21.44	0.01	28.24	0.56	3.35	8.38	0.00	28.80	100.25
AK-N19-3_28r	63-125 µm	river sediment	38.39	0.01	21.56	0.01	27.60	0.56	3.17	9.15	0.00	28.16	100.46
AK-N19-3_29c	63-125 µm	river sediment	39.12	0.01	22.18	0.01	23.80	0.40	6.68	8.33	0.06	24.20	100.59
AK-N19-3_29r	63-125 µm	river sediment	40.20	0.01	22.62	0.01	23.41	0.44	6.50	8.40	0.00	23.85	101.60
AK-N19-3_30c	63-125 µm	river sediment	38.90	0.07	21.45	0.01	24.40	0.36	6.67	7.74	0.66	24.76	100.26
AK-N19-3_30r	63-125 µm	river sediment	39.28	0.05	21.99	0.01	24.29	0.35	6.74	7.79	0.00	24.64	100.49
AK-N19-3_31c	63-125 µm	river sediment	39.38	0.06	21.84	0.09	23.98	0.43	7.54	7.25	0.06	24.41	100.61
AK-N19-3_31r	63-125 µm	river sediment	39.26	0.09	21.99	0.08	23.54	0.40	7.56	7.11	0.00	23.95	100.04
AK-N19-3_32c	63-125 µm	river sediment	38.93	0.09	21.65	0.01	23.42	0.42	5.71	9.84	0.05	23.84	100.12
AK-N19-3_32r	63-125 µm	river sediment	39.15	0.10	21.89	0.01	23.38	0.42	5.60	9.77	0.00	23.81	100.32

AK-N19-3_33c	63-125 µm	river sediment	39.25	0.01	22.09	0.01	24.16	0.38	7.78	6.65	0.01	24.54	100.35
AK-N19-3_33r	63-125 µm	river sediment	39.99	0.01	22.90	0.01	24.19	0.39	7.85	6.16	0.00	24.58	101.50
AK-N19-3_34c	63-125 µm	river sediment	38.58	0.16	21.72	0.01	23.87	0.63	4.79	10.34	0.19	24.49	100.29
AK-N19-3_34r	63-125 µm	river sediment	38.94	0.04	21.87	0.01	25.52	1.03	4.15	8.85	0.00	26.55	100.41
AK-N19-3_35c	63-125 µm	river sediment	39.42	0.01	22.34	0.01	21.94	0.41	8.16	7.88	0.00	22.35	100.18
AK-N19-3_35r	63-125 µm	river sediment	40.20	0.01	22.75	0.01	21.42	0.41	7.88	8.27	0.00	21.83	100.95
AK-N19-3_36c	63-125 µm	river sediment	38.62	0.01	22.03	0.01	28.62	0.53	6.99	3.44	0.00	29.16	100.26
AK-N19-3_36r	63-125 µm	river sediment	39.09	0.01	22.30	0.08	28.60	0.77	5.46	4.85	0.00	29.37	101.16
AK-N19-3_37c	63-125 µm	river sediment	39.03	0.06	22.11	0.01	22.98	0.44	5.44	10.42	0.00	23.42	100.50
AK-N19-3_37r	63-125 µm	river sediment	38.82	0.07	21.81	0.01	23.36	0.44	5.33	10.14	0.00	23.80	99.98
AK-N19-3_38c	63-125 µm	river sediment	38.69	0.07	21.43	0.01	27.76	0.17	6.69	5.06	0.03	27.93	99.91
AK-N19-3_38r	63-125 µm	river sediment	38.62	0.08	21.39	0.06	27.48	0.19	6.58	5.25	0.00	27.67	99.65
AK-N19-3_39c	63-125 µm	river sediment	38.31	0.05	21.37	0.01	27.18	0.23	4.80	7.72	0.45	27.41	100.13
AK-N19-3_39r	63-125 µm	river sediment	38.22	0.01	21.11	0.01	26.91	0.23	4.90	7.67	0.45	27.14	99.51
AK-N19-3_40c	63-125 µm	river sediment	38.21	0.01	21.75	0.01	26.93	1.07	5.12	6.68	0.45	28.00	100.23
AK-N19-3_40r	63-125 µm	river sediment	39.31	0.01	22.46	0.01	25.73	0.55	5.44	7.49	0.00	26.28	101.00
AK-N19-3_41c	63-125 µm	river sediment	37.95	0.17	21.03	0.01	27.51	0.66	2.00	10.76	0.39	28.17	100.47
AK-N19-3_41r	63-125 µm	river sediment	38.43	0.04	21.22	0.04	29.47	0.89	2.16	8.21	0.00	30.36	100.46
AK-N19-3_42c	63-125 µm	river sediment	39.04	0.11	21.65	0.01	22.80	0.43	6.69	9.07	0.45	23.22	100.24
AK-N19-3_43c	63-125 µm	river sediment	38.86	0.01	21.69	0.07	26.29	0.39	6.47	6.44	0.27	26.68	100.49
AK-N19-3_43r	63-125 µm	river sediment	39.03	0.01	21.66	0.01	26.65	0.41	6.38	6.27	0.00	27.06	100.43
AK-N19-3_44c	63-125 µm	river sediment	38.05	0.01	21.76	0.01	30.16	1.33	5.31	3.54	0.25	31.49	100.42
AK-N19-3_44r	63-125 µm	river sediment	37.65	0.01	21.55	0.01	31.10	1.48	5.43	2.01	0.00	32.57	99.24
AK-N19-3_45c	63-125 µm	river sediment	39.22	0.05	21.92	0.06	21.54	0.43	7.70	8.77	0.82	21.97	100.52
AK-N19-3_45r	63-125 µm	river sediment	40.11	0.08	22.35	0.07	22.12	0.38	7.52	8.75	0.00	22.51	101.38
AK-N19-3_46c	63-125 µm	river sediment	38.04	0.01	21.40	0.01	29.67	0.37	4.42	5.90	0.12	30.04	99.94
AK-N19-3_46r	63-125 µm	river sediment	37.54	0.07	21.05	0.01	30.93	0.46	3.41	5.79	0.00	31.39	99.26
AK-N19-3_47c	63-125 µm	river sediment	38.69	0.05	21.70	0.01	23.51	0.43	6.88	7.88	0.72	23.94	99.87
AK-N19-3_47r	63-125 µm	river sediment	38.93	0.01	21.94	0.01	23.90	0.49	6.61	7.66	0.00	24.39	99.55
AK-N19-3_48c	63-125 µm	river sediment	38.27	0.08	21.47	0.01	27.27	0.71	3.35	9.09	0.00	27.98	100.25
AK-N19-3_48r	63-125 µm	river sediment	37.55	0.01	21.27	0.01	26.57	2.07	2.21	8.28	0.00	28.64	97.96
AK-N19-3_49c	63-125 µm	river sediment	38.48	0.01	21.84	0.01	25.32	0.45	4.32	9.80	0.42	25.77	100.64
AK-N19-3_50c	63-125 µm	river sediment	38.60	0.09	21.28	0.05	23.26	0.52	4.15	11.76	0.46	23.78	100.16
AK-N19-3_50r	63-125 µm	river sediment	38.82	0.09	21.63	0.01	23.62	0.48	4.03	11.72	0.00	24.10	100.39
AK-N19-3_51c	63-125 µm	river sediment	37.72	0.04	21.07	0.01	30.70	1.23	2.70	6.54	0.36	31.93	100.39
AK-N19-3_51r	63-125 µm	river sediment	37.64	0.05	20.93	0.01	30.75	1.21	2.58	6.62	0.08	31.96	99.87
AK_N19-4_1c	63-125 µm	river sediment	38.76	0.01	22.16	0.01	25.91	0.44	6.80	6.16	0.18	26.35	100.43
AK_N19-4_1r	63-125 µm	river sediment	37.85	0.01	21.53	0.01	28.53	1.83	3.96	5.79	0.00	30.35	99.51
AK_N19-4_2c	63-125 µm	river sediment	40.36	0.01	22.88	0.08	18.99	0.31	12.82	4.73	0.00	19.30	100.19
AK_N19-4_2r	63-125 µm	river sediment	39.58	0.01	22.67	0.08	19.11	0.36	12.35	4.57	0.73	19.47	99.45

AK_N19-4_3c	63-125 µm	river sediment	38.34	0.01	21.74	0.01	26.63	1.44	4.24	7.97	0.09	28.06	100.47
AK_N19-4_3r	63-125 µm	river sediment	39.07	0.01	22.09	0.01	26.55	0.95	4.70	7.75	0.00	27.50	101.13
AK_N19-4_4c	63-125 µm	river sediment	38.36	0.01	21.95	0.01	24.32	0.60	4.28	10.39	0.56	24.92	100.49
AK_N19-4_4r	63-125 µm	river sediment	38.90	0.05	21.81	0.01	24.82	0.71	4.09	10.17	0.00	25.53	100.56
AK_N19-4_5c	63-125 µm	river sediment	38.72	0.05	21.53	0.01	26.70	0.30	6.23	6.43	0.15	27.00	100.12
AK_N19-4_5r	63-125 µm	river sediment	38.79	0.01	21.49	0.05	26.61	0.36	6.36	5.93	0.00	26.97	99.60
AK_N19-4_6c	63-125 µm	river sediment	38.79	0.13	21.64	0.01	23.17	0.63	5.35	10.26	0.25	23.80	100.23
AK_N19-4_6r	63-125 µm	river sediment	38.84	0.15	21.75	0.01	23.20	0.64	5.30	9.97	0.00	23.83	99.85
AK_N19-4_7c	63-125 µm	river sediment	38.01	0.01	21.50	0.01	27.18	0.54	3.87	8.45	0.37	27.72	99.94
AK_N19-4_7r	63-125 µm	river sediment	37.95	0.01	21.32	0.01	26.79	0.93	3.45	8.98	0.20	27.72	99.64
AK_N19-4_8c	63-125 µm	river sediment	37.61	0.05	20.72	0.01	26.64	0.90	1.54	11.48	0.62	27.54	99.57
AK_N19-4_8r	63-125 µm	river sediment	37.57	0.01	20.88	0.01	26.86	0.95	1.61	11.11	0.73	27.81	99.74
AK_N19-4_9c	63-125 µm	river sediment	38.68	0.01	21.93	0.01	26.36	0.25	6.44	6.37	0.36	26.61	100.41
AK_N19-4_9r	63-125 µm	river sediment	39.26	0.01	22.30	0.01	26.25	0.26	6.27	6.34	0.00	26.52	100.70
AK_N19-4_10c	63-125 µm	river sediment	38.39	0.01	21.56	0.01	26.15	1.99	4.72	7.29	0.25	28.14	100.36
AK_N19-4_10r	63-125 µm	river sediment	38.07	0.01	21.74	0.01	28.76	3.38	3.95	4.23	0.00	32.13	100.14
AK_N19-4_11c	63-125 µm	river sediment	38.70	0.01	21.54	0.01	24.71	0.61	5.56	8.63	0.26	25.32	100.03
AK_N19-4_11r	63-125 µm	river sediment	38.05	0.01	21.50	0.01	22.96	0.83	4.49	8.55	0.00	23.80	96.41
AK_N19-4_13c	63-125 µm	river sediment	37.13	0.06	19.89	0.01	29.13	1.00	0.42	10.59	2.22	30.13	100.46
AK_N19-4_14c	63-125 µm	river sediment	39.02	0.06	21.93	0.01	23.50	0.65	7.09	7.65	0.00	24.15	99.91
AK_N19-4_14r	63-125 µm	river sediment	38.94	0.08	22.29	0.01	24.00	0.89	6.27	7.63	0.00	24.89	100.12
AK_N19-4_15c	63-125 µm	river sediment	38.38	0.01	21.15	0.01	29.34	0.25	5.61	4.92	0.53	29.59	100.20
AK_N19-4_15r	63-125 µm	river sediment	38.34	0.01	21.10	0.01	29.23	0.27	5.61	4.96	0.54	29.50	100.06
AK_N19-4_16c	63-125 µm	river sediment	38.93	0.01	22.16	0.01	24.32	0.34	7.64	6.47	0.12	24.66	99.98
AK_N19-4_16r	63-125 µm	river sediment	39.07	0.01	21.95	0.01	24.98	0.43	6.94	5.96	0.00	25.41	99.35
AK_N19-4_17c	63-125 µm	river sediment	37.33	0.05	21.04	0.01	31.67	1.37	2.01	6.29	0.53	33.04	100.30
AK_N19-4_18c	63-125 µm	river sediment	38.39	0.01	21.86	0.01	25.53	0.69	4.22	9.49	0.37	26.21	100.58
AK_N19-4_18r	63-125 µm	river sediment	38.93	0.01	22.20	0.01	25.34	0.67	4.05	9.70	0.00	26.01	100.90
AK_N19-4_19c	63-125 µm	river sediment	38.71	0.11	21.29	0.01	25.63	0.64	5.15	8.53	0.03	26.27	100.10
AK_N19-4_19r	63-125 µm	river sediment	38.55	0.08	21.81	0.01	24.50	0.62	4.88	9.63	0.16	25.12	100.25
AK_N19-4_20c	63-125 µm	river sediment	37.38	0.06	20.71	0.01	30.64	1.80	2.01	6.79	0.95	32.44	100.35
AK_N19-4_20r	63-125 µm	river sediment	37.84	0.01	20.71	0.01	32.67	2.14	1.96	5.41	0.11	34.81	100.86
AK_N19-4_21c	63-125 µm	river sediment	39.22	0.04	21.93	0.01	22.25	0.49	6.41	9.95	0.04	22.74	100.35
AK_N19-4_21r	63-125 µm	river sediment	38.80	0.05	21.72	0.01	21.32	0.46	6.15	10.62	0.00	21.78	99.13
AK_N19-4_22c	63-125 µm	river sediment	38.94	0.01	22.00	0.01	25.24	0.26	7.24	6.38	0.01	25.50	100.08
AK_N19-4_22r	63-125 µm	river sediment	38.69	0.01	21.87	0.01	27.77	0.64	5.37	5.97	0.00	28.41	100.33
AK_N19-4_23c	63-125 µm	river sediment	39.21	0.01	22.16	0.01	22.41	0.70	6.90	8.87	0.00	23.11	100.27
AK_N19-4_23r	63-125 µm	river sediment	39.38	0.01	22.29	0.01	22.21	0.72	7.11	7.95	0.00	22.93	99.67
AK_N19-4_24c	63-125 µm	river sediment	38.93	0.01	22.22	0.01	23.45	0.46	7.13	7.76	0.01	23.91	99.99
AK_N19-4_24r	63-125 µm	river sediment	38.57	0.01	21.66	0.01	25.20	1.86	5.40	7.21	0.00	27.06	99.92

EA_17c	eclogite	38.74	0.08	21.27	0.05	24.53	0.75	5.83	8.35	0.28	25.28	99.89
EA_17m	eclogite	38.46	0.01	21.43	0.01	24.37	0.80	5.68	8.34	0.29	25.17	99.39
EA_17r	eclogite	38.58	0.06	21.59	0.01	24.16	0.79	5.75	8.56	0.19	24.96	99.70
EA_18c	eclogite	38.84	0.01	21.64	0.01	24.98	0.79	5.85	7.78	0.00	25.77	99.89
EA_18m	eclogite	38.70	0.01	21.70	0.01	24.33	0.78	6.00	8.17	0.69	25.11	100.39
EA_18r	eclogite	38.81	0.07	21.87	0.01	24.60	0.77	5.75	8.14	0.00	25.38	100.03
EA_19c	eclogite	38.67	0.01	21.76	0.01	24.62	0.79	5.67	8.27	0.00	25.41	99.80
EA_19m	eclogite	38.83	0.01	21.81	0.01	24.40	0.78	5.40	8.92	0.00	25.18	100.15
EA_19r	eclogite	38.57	0.01	21.75	0.04	23.62	0.77	5.19	9.67	0.00	24.39	99.63
EA_20c	eclogite	38.64	0.07	21.76	0.01	24.58	0.80	5.65	8.44	0.19	25.38	100.13
EA_20m	eclogite	38.73	0.07	21.79	0.01	24.64	0.83	5.78	8.27	0.06	25.47	100.18
EA_20r	eclogite	38.47	0.01	21.82	0.01	24.43	0.78	5.75	8.22	0.41	25.21	99.91
N21_1c	eclogite	38.53	0.06	21.81	0.04	23.32	1.10	5.63	9.11	0.51	24.42	100.10
N21_1m	eclogite	38.56	0.08	21.70	0.01	23.46	1.08	5.59	9.10	0.26	24.54	99.84
N21_1r	eclogite	38.60	0.08	21.64	0.01	23.58	1.11	5.64	8.94	0.00	24.69	99.60
N21_2c	eclogite	38.84	0.01	21.95	0.01	24.38	0.95	5.99	7.73	0.00	25.33	99.86
N21_2m	eclogite	38.59	0.13	21.83	0.01	23.32	1.03	5.49	9.45	0.17	24.35	100.01
N21_2r	eclogite	38.69	0.10	21.71	0.01	23.02	1.06	5.49	9.55	0.00	24.08	99.64
N21_3c	eclogite	38.71	0.05	21.50	0.01	24.56	1.47	5.11	8.73	0.13	26.03	100.26
N21_3m	eclogite	38.72	0.05	21.67	0.01	24.04	1.11	5.29	9.17	0.02	25.16	100.09
N21_3r	eclogite	38.59	0.01	21.68	0.01	23.88	1.23	5.60	8.63	0.37	25.11	100.00
N21_4c	eclogite	38.61	0.12	22.00	0.01	24.28	1.16	5.94	7.98	0.20	25.44	100.30
N21_4m	eclogite	38.68	0.07	21.71	0.01	23.53	1.21	5.67	8.95	0.05	24.73	99.87
N21_4r	eclogite	38.46	0.01	21.67	0.01	23.24	1.26	5.28	9.42	0.10	24.50	99.45
N21_5c	eclogite	38.63	0.01	21.74	0.01	24.33	1.37	5.87	7.83	0.21	25.70	99.99
N21_5m	eclogite	38.63	0.01	21.84	0.01	24.14	1.26	6.08	7.76	0.33	25.39	100.06
N21_5r	eclogite	38.43	0.01	21.75	0.01	24.70	1.38	5.77	7.48	0.05	26.09	99.58
N21_6c	eclogite	38.61	0.09	21.69	0.01	23.83	1.13	5.68	8.70	0.55	24.96	100.29
N21_6m	eclogite	38.70	0.07	21.67	0.01	23.85	1.14	5.73	8.68	0.71	24.99	100.57
N21_6r	eclogite	38.62	0.04	21.83	0.01	24.03	1.09	5.65	8.60	0.18	25.11	100.05
N21_7c	eclogite	38.66	0.01	21.81	0.01	24.36	1.16	5.91	7.93	0.54	25.52	100.39
N21_7m	eclogite	38.56	0.01	21.86	0.01	24.77	1.17	5.82	7.64	0.12	25.94	99.97
N21_7r	eclogite	38.45	0.07	21.65	0.01	24.63	1.13	5.70	7.88	0.38	25.75	99.90
N21_8c	eclogite	38.65	0.01	21.61	0.01	24.02	1.17	5.76	8.38	0.00	25.19	99.61
N21_8m	eclogite	38.76	0.01	21.83	0.01	24.86	1.16	6.05	7.44	0.25	26.03	100.38
N21_8r	eclogite	38.08	0.01	21.36	0.01	23.77	5.13	3.40	8.21	0.26	28.91	100.23
N21_9c	eclogite	38.55	0.01	22.03	0.01	25.00	1.16	6.14	7.01	0.32	26.16	100.22
N21_9m	eclogite	38.53	0.01	21.83	0.01	24.27	1.25	6.12	7.52	0.77	25.52	100.30
N21_9r	eclogite	38.23	0.04	21.53	0.01	24.20	2.27	4.80	8.36	0.75	26.47	100.18
N21_10c	eclogite	38.41	0.09	21.82	0.01	23.65	1.05	5.72	8.67	0.51	24.70	99.93

N21_10m	eclogite	38.61	0.01	21.87	0.01	24.42	1.14	6.07	7.63	0.41	25.57	100.18
N21_10r	eclogite	37.96	0.04	21.42	0.01	23.58	6.04	3.55	6.99	0.00	29.62	99.60
N21_11c	eclogite	38.86	0.10	21.73	0.01	23.71	1.11	5.66	9.07	0.29	24.82	100.55
N21_11m	eclogite	38.65	0.05	21.69	0.01	24.08	1.11	5.79	8.38	0.37	25.19	100.13
N21_11r	eclogite	38.71	0.01	21.87	0.01	24.86	1.14	5.76	7.83	0.08	26.00	100.26
N21_12c	eclogite	38.58	0.07	21.73	0.01	23.50	1.07	5.61	9.06	0.32	24.57	99.95
N21_12m	eclogite	39.00	0.01	21.86	0.01	24.33	1.12	5.85	8.28	0.00	25.46	100.47
N21_12r	eclogite	38.79	0.05	21.77	0.01	23.96	1.09	5.73	8.70	0.23	25.06	100.33
N21_13c	eclogite	38.73	0.05	21.50	0.01	24.93	1.56	5.83	7.38	0.32	26.50	100.30
N21_13m	eclogite	38.55	0.04	21.62	0.01	24.68	1.51	5.83	7.44	0.30	26.19	99.99
N21_13r	eclogite	38.38	0.04	21.50	0.01	25.44	2.37	4.81	7.43	0.23	27.81	100.21
N21_14c	eclogite	38.62	0.01	21.39	0.01	25.09	1.58	5.76	7.20	0.06	26.67	99.72
N21_14m	eclogite	38.42	0.01	21.63	0.01	24.42	1.33	5.92	7.51	0.76	25.75	100.01
N21_14r	eclogite	38.82	0.01	21.85	0.01	23.17	1.30	5.65	9.10	0.00	24.47	99.91
N21_15c	eclogite	38.59	0.01	21.75	0.01	24.42	1.39	6.19	7.26	0.48	25.81	100.09
N21_15m	eclogite	38.56	0.01	21.70	0.01	24.50	1.26	6.04	7.48	0.81	25.75	100.35
N21_15r	eclogite	38.56	0.01	21.59	0.01	24.45	1.63	5.69	7.71	0.26	26.08	99.91
N21_16c	eclogite	38.91	0.01	21.70	0.01	24.90	1.23	6.05	7.50	0.01	26.13	100.31
N21_16m	eclogite	38.67	0.01	21.76	0.05	23.24	1.31	5.53	9.23	0.48	24.55	100.27
N21_16r	eclogite	38.51	0.01	21.90	0.01	24.74	1.67	5.19	7.83	0.00	26.41	99.86
N21_17c	eclogite	38.57	0.06	21.64	0.01	24.96	1.44	6.16	6.85	0.70	26.40	100.38
N21_17m	eclogite	38.68	0.01	21.81	0.01	24.19	1.32	5.80	8.12	0.21	25.51	100.15
N21_17r	eclogite	38.23	0.01	21.58	0.01	23.62	2.52	5.26	7.95	0.27	26.14	99.45
N21_18c	eclogite	38.87	0.01	21.52	0.01	25.14	1.19	6.03	7.34	0.13	26.33	100.23
N21_18m	eclogite	38.59	0.01	22.03	0.01	24.40	1.25	5.94	7.73	0.25	25.65	100.20
N21_18r	eclogite	38.40	0.04	21.64	0.01	24.14	1.37	5.43	8.39	0.33	25.51	99.74
N21_19c	eclogite	38.33	0.01	21.57	0.01	24.39	1.92	5.91	7.01	0.61	26.30	99.75
N21_19m	eclogite	38.53	0.01	21.63	0.01	24.28	1.23	5.76	8.03	0.15	25.51	99.63
N21_19r	eclogite	38.61	0.07	21.58	0.01	23.96	1.30	5.73	8.25	0.00	25.26	99.51
N21_20c	eclogite	38.51	0.06	21.82	0.01	23.11	1.23	5.59	9.20	0.89	24.34	100.41
N21_20m	eclogite	38.57	0.04	21.91	0.04	24.20	1.25	5.78	8.11	0.13	25.45	100.03
N21_20r	eclogite	38.02	0.01	21.76	0.01	22.55	1.39	5.49	9.16	0.74	23.94	99.13
N24_1_c	garnet-peridotite	41.60	0.01	23.26	0.31	15.37	0.46	15.50	4.62	0.00	15.83	101.13
N24_1_z	garnet-peridotite	41.37	0.01	23.25	0.24	15.10	0.37	15.56	4.59	0.00	15.46	100.48
N24_1_r	garnet-peridotite	40.99	0.08	23.10	0.30	14.64	0.38	15.70	4.74	0.53	15.01	100.46
N24_2_c	garnet-peridotite	41.25	0.01	23.13	0.23	14.79	0.36	15.93	4.51	0.49	15.15	100.70
N24_2_z	garnet-peridotite	40.97	0.01	23.11	0.24	14.18	0.42	16.07	4.48	1.17	14.60	100.67
N24_2_r	garnet-peridotite	40.87	0.01	22.92	0.27	14.61	0.41	15.78	4.48	1.01	15.01	100.35
N24_3_c	garnet-peridotite	40.78	0.01	22.90	0.27	14.91	0.41	15.40	4.68	0.68	15.32	100.03
N24_3_r	garnet-peridotite	40.43	0.07	23.02	0.23	14.03	0.40	15.82	4.50	1.47	14.43	99.96

N24_4_c	garnet-peridotite	40.44	0.01	22.84	0.27	13.95	0.39	15.88	4.45	1.45	14.34	99.68
N24_4_r	garnet-peridotite	40.79	0.01	22.91	0.26	13.94	0.38	15.99	4.65	1.13	14.32	100.05
N24_5_c	garnet-peridotite	40.24	0.01	22.65	0.26	12.73	0.39	16.34	4.58	2.22	13.12	99.42
N24_5_r	garnet-peridotite	40.65	0.01	22.93	0.26	13.45	0.39	16.29	4.48	1.25	13.85	99.70
N24_6_c	garnet-peridotite	40.60	0.07	22.77	0.29	13.37	0.33	16.28	4.60	1.29	13.70	99.59
N24_6_z	garnet-peridotite	40.64	0.09	22.88	0.23	13.31	0.37	16.37	4.54	1.40	13.67	99.82
N24_6_r	garnet-peridotite	40.57	0.06	22.83	0.27	13.70	0.37	16.04	4.61	1.43	14.07	99.88
N24_7_c	garnet-peridotite	40.78	0.10	22.75	0.26	14.13	0.36	15.99	4.56	0.80	14.49	99.73
N24_7_r	garnet-peridotite	40.95	0.08	22.97	0.29	13.91	0.38	16.17	4.62	1.04	14.29	100.41
N24_8_c	garnet-peridotite	40.87	0.01	22.92	0.25	14.33	0.43	15.87	4.55	1.25	14.76	100.47
N24_8_r	garnet-peridotite	40.65	0.01	22.71	0.27	14.30	0.44	15.71	4.58	1.53	14.74	100.19
N24_10_c	garnet-peridotite	41.14	0.10	22.87	0.20	14.34	0.43	16.10	4.53	0.84	14.76	100.55
N24_10_r	garnet-peridotite	41.13	0.01	22.95	0.24	14.62	0.38	15.68	4.87	0.66	15.00	100.55
N24_11_c	garnet-peridotite	40.79	0.08	23.11	0.20	14.55	0.42	15.75	4.51	1.07	14.97	100.49
N24_11_r	garnet-peridotite	40.67	0.01	23.07	0.13	15.58	0.46	14.93	4.68	0.82	16.03	100.33
N24_12_c	garnet-peridotite	40.68	0.09	22.75	0.22	14.32	0.40	15.73	4.65	1.25	14.72	100.09
N24_12_r	garnet-peridotite	40.74	0.01	22.87	0.23	14.26	0.45	15.70	4.69	1.12	14.71	100.08
N24_13_c	garnet-peridotite	40.56	0.08	22.67	0.23	14.03	0.44	15.70	4.76	1.71	14.47	100.17
N24_13_r	garnet-peridotite	40.70	0.09	22.85	0.22	14.53	0.41	15.57	4.72	0.85	14.94	99.94
N24_14_c	garnet-peridotite	40.66	0.01	23.04	0.20	13.94	0.42	15.90	4.62	1.64	14.36	100.44
N24_14_r	garnet-peridotite	40.67	0.01	22.89	0.21	14.69	0.37	15.48	4.67	1.15	15.06	100.14
N24_15_c	garnet-peridotite	40.71	0.01	22.69	0.31	14.44	0.45	15.69	4.56	1.09	14.88	99.94
N24_15_z	garnet-peridotite	40.91	0.10	22.65	0.25	14.67	0.36	15.87	4.43	0.39	15.03	99.64
N24_15_r	garnet-peridotite	40.67	0.13	22.71	0.27	14.15	0.38	15.90	4.58	0.86	14.53	99.64
N24_16_c	garnet-peridotite	40.42	0.01	22.72	0.23	14.09	0.42	15.62	4.67	1.68	14.51	99.86
N24_16_r	garnet-peridotite	40.52	0.01	22.64	0.26	15.03	0.48	15.20	4.55	1.33	15.52	100.03
N24_17_c	garnet-peridotite	40.70	0.01	23.07	0.27	14.23	0.43	15.77	4.60	1.10	14.66	100.19
N24_17_r	garnet-peridotite	41.09	0.01	23.13	0.30	14.80	0.38	15.73	4.62	0.24	15.18	100.29
N24_18_c	garnet-peridotite	41.46	0.01	23.27	0.29	15.12	0.44	15.67	4.51	0.00	15.56	100.77
N24_18_r	garnet-peridotite	41.25	0.01	23.17	0.29	14.91	0.43	15.62	4.79	0.65	15.34	101.12
N24_19_c	garnet-peridotite	41.32	0.01	22.99	0.26	14.88	0.45	15.79	4.63	0.13	15.33	100.46
N24_19_r	garnet-peridotite	41.57	0.01	23.46	0.30	15.15	0.42	15.67	4.56	0.00	15.57	101.14
N24_20_c	garnet-peridotite	41.83	0.01	23.40	0.27	14.95	0.42	15.78	4.58	0.00	15.37	101.24
N24_20_r	garnet-peridotite	41.97	0.01	23.33	0.24	15.21	0.40	15.85	4.37	0.00	15.61	101.36
N24_21_c	garnet-peridotite	41.72	0.01	23.45	0.24	14.84	0.41	15.93	4.44	0.00	15.25	101.04
N24_22_c	garnet-peridotite	41.80	0.07	23.25	0.32	15.03	0.44	15.96	4.58	0.00	15.46	101.44
N24_22_r	garnet-peridotite	41.86	0.01	23.40	0.29	15.13	0.39	16.07	4.47	0.00	15.52	101.62
N24_23_c	garnet-peridotite	41.80	0.01	23.34	0.27	14.80	0.34	16.14	4.52	0.00	15.14	101.22
N24_23_r	garnet-peridotite	41.91	0.01	23.22	0.28	14.86	0.39	15.76	4.68	0.00	15.25	101.11
N24_24_c	garnet-peridotite	41.94	0.01	23.48	0.27	14.74	0.36	16.10	4.45	0.00	15.10	101.35

N24_24_z	garnet-peridotite	42.02	0.01	23.23	0.27	14.80	0.41	16.06	4.47	0.00	15.21	101.26
N24_24_r	garnet-peridotite	41.79	0.01	23.30	0.26	14.84	0.33	15.91	4.45	0.00	15.17	100.88
N24_25_c	garnet-peridotite	41.69	0.01	23.44	0.26	14.75	0.37	16.06	4.50	0.00	15.13	101.09
N24_25_r	garnet-peridotite	41.71	0.01	23.21	0.24	14.73	0.34	16.24	4.43	0.00	15.07	100.91
N24_26_c	garnet-peridotite	41.85	0.01	23.39	0.22	14.54	0.36	16.20	4.50	0.00	14.90	101.07
N24_26_z	garnet-peridotite	41.69	0.01	23.40	0.26	14.56	0.31	16.16	4.50	0.00	14.86	100.87
N24_26_r	garnet-peridotite	41.89	0.01	23.24	0.26	14.85	0.39	16.05	4.48	0.00	15.24	101.17
N24_27_c	garnet-peridotite	41.75	0.01	23.24	0.26	15.53	0.41	15.57	4.60	0.00	15.94	101.37
N24_27_r	garnet-peridotite	41.66	0.01	23.28	0.29	15.98	0.46	15.23	4.65	0.00	16.44	101.56
N24_28_c	garnet-peridotite	41.54	0.01	23.44	0.21	15.63	0.45	15.37	4.34	0.00	16.08	100.99
N24_28_r	garnet-peridotite	41.89	0.01	23.40	0.20	15.45	0.41	15.50	4.45	0.00	15.86	101.30
N24_29_c	garnet-peridotite	41.82	0.01	23.39	0.26	15.49	0.40	15.37	4.48	0.00	15.90	101.23
N24_29_r	garnet-peridotite	41.60	0.01	23.24	0.29	15.68	0.44	15.41	4.49	0.00	16.13	101.17
N24_30_c	garnet-peridotite	41.74	0.01	23.38	0.23	15.64	0.49	15.68	4.55	0.01	16.13	101.73
N24_30_r	garnet-peridotite	41.76	0.01	23.30	0.24	15.65	0.43	15.37	4.59	0.00	16.08	101.34
N24_31_c	garnet-peridotite	41.70	0.01	23.31	0.24	15.49	0.42	15.42	4.53	0.00	15.90	101.11
N24_31_r	garnet-peridotite	41.75	0.01	23.35	0.27	15.91	0.46	15.08	4.85	0.00	16.37	101.68
N24_32_c	garnet-peridotite	41.29	0.01	23.33	0.24	15.55	0.46	15.10	4.72	0.00	16.01	100.70
N24_32_r	garnet-peridotite	41.71	0.01	23.23	0.31	15.54	0.44	15.24	4.50	0.00	15.98	100.98
N24_36_c	garnet-peridotite	39.66	0.01	22.64	0.26	12.67	0.41	15.98	4.58	3.00	13.08	99.20
N24_36_r	garnet-peridotite	39.83	0.01	22.44	0.25	12.81	0.41	15.96	4.66	2.89	13.22	99.25
N24_37_c	garnet-peridotite	39.84	0.01	22.60	0.29	12.42	0.38	16.33	4.49	2.46	12.80	98.82
N24_37_r	garnet-peridotite	40.07	0.01	22.57	0.30	12.69	0.42	16.35	4.42	2.47	13.11	99.30
N24_38_c	garnet-peridotite	40.21	0.01	22.66	0.28	12.83	0.38	16.22	4.66	1.85	13.21	99.09
N24_38_r	garnet-peridotite	40.44	0.01	22.57	0.23	13.06	0.38	16.33	4.54	1.78	13.44	99.35
N24_39_c	garnet-peridotite	40.15	0.01	22.63	0.17	14.24	0.47	15.39	4.59	2.07	14.70	99.71
N24_39_r	garnet-peridotite	40.28	0.01	22.47	0.28	14.19	0.54	15.33	4.77	2.22	14.73	100.10
N24_40_c	garnet-peridotite	40.41	0.01	22.95	0.24	13.61	0.36	15.97	4.60	1.95	13.97	100.10
N24_40_r	garnet-peridotite	40.21	0.01	22.64	0.17	15.22	0.52	15.11	4.23	1.80	15.74	99.90
N24_41_c	garnet-peridotite	40.46	0.01	22.94	0.25	14.43	0.44	15.49	4.61	1.66	14.87	100.29
N24_41_r	garnet-peridotite	40.39	0.01	22.74	0.20	14.34	0.52	15.58	4.42	1.89	14.86	100.09
N24_42_c	garnet-peridotite	41.71	0.01	23.29	0.29	14.98	0.34	16.00	4.61	0.00	15.32	101.24
N24_42_r	garnet-peridotite	41.33	0.01	23.02	0.30	14.51	0.34	16.12	4.56	0.56	14.86	100.76
N24_43_c	garnet-peridotite	41.45	0.09	22.97	0.30	14.45	0.36	16.28	4.54	0.13	14.81	100.56
N24_43_r	garnet-peridotite	41.49	0.11	23.05	0.31	14.13	0.35	16.53	4.50	0.10	14.48	100.56
N24_44_c	garnet-peridotite	40.68	0.01	22.90	0.29	13.97	0.40	15.99	4.51	1.06	14.37	99.81
N24_44_r	garnet-peridotite	40.90	0.01	22.84	0.27	14.29	0.37	15.96	4.52	1.17	14.66	100.34
N24_45_c	garnet-peridotite	41.36	0.01	22.80	0.24	14.54	0.44	16.22	4.35	0.31	14.98	100.26
N24_45_r	garnet-peridotite	41.62	0.01	23.23	0.25	14.80	0.37	16.01	4.41	0.00	15.17	100.71
N24_46_c	garnet-peridotite	41.56	0.01	23.11	0.24	15.73	0.44	15.53	4.35	0.00	16.17	100.97

14-N19-3_35c	125-250µm	river sediment	39.10	0.03	22.13	0.02	24.02	0.34	7.38	7.23	0.72	24.37	100.98
14-N19-3_35r	125-250µm	river sediment	39.57	0.01	22.40	0.03	24.89	0.34	7.37	6.54	0.00	25.24	101.16
14-N19-3_36c	125-250µm	river sediment	39.12	0.06	21.96	0.03	24.95	0.25	7.10	7.00	0.44	25.20	100.92
14-N19-3_36r	125-250µm	river sediment	38.78	0.06	21.94	0.00	24.30	0.23	7.17	7.12	0.54	24.52	100.14
14-N19-3_37c	125-250µm	river sediment	38.83	0.00	22.02	0.07	28.11	0.49	6.53	4.83	0.00	28.59	100.87
14-N19-3_37r	125-250µm	river sediment	38.07	0.00	21.60	0.03	32.03	1.52	4.81	2.54	0.00	33.55	100.59
14-N19-3_38c	125-250µm	river sediment	40.04	0.03	22.14	0.42	20.39	0.49	12.42	3.81	1.05	20.88	100.78
14-N19-3_38r	125-250µm	river sediment	39.71	0.02	22.11	0.32	21.09	0.57	12.01	3.45	0.56	21.66	99.84
14-N19-3_39c	125-250µm	river sediment	38.72	0.05	21.83	0.00	22.76	0.56	6.29	9.22	1.10	23.32	100.53
14-N19-3_39r	125-250µm	river sediment	38.81	0.05	21.96	0.01	23.47	0.68	6.01	9.03	0.77	24.14	100.79
14-N19-3_40c	125-250µm	river sediment	38.88	0.03	21.79	0.00	26.05	0.28	5.66	7.86	0.00	26.33	100.54
14-N19-3_40r	125-250µm	river sediment	38.87	0.01	22.01	0.04	26.28	0.27	5.64	7.68	0.00	26.55	100.80
14-N19-3_41c	125-250µm	river sediment	38.88	0.04	21.88	0.01	22.19	0.48	4.85	11.86	0.50	22.67	100.71
14-N19-3_41r	125-250µm	river sediment	38.27	0.02	21.78	0.01	22.17	0.61	4.18	12.14	1.11	22.77	100.29
14-N19-3_42c	125-250µm	river sediment	37.57	0.07	20.84	0.00	31.27	1.28	2.24	6.58	0.81	32.56	100.66
14-N19-3_42r	125-250µm	river sediment	37.19	0.03	20.73	0.02	30.26	1.44	1.79	7.48	1.80	31.70	100.74
14-N19-3_43c	125-250µm	river sediment	38.99	0.08	21.88	0.01	21.18	0.37	6.58	10.46	1.09	21.55	100.64
14-N19-3_43r	125-250µm	river sediment	38.76	0.09	21.60	0.00	21.17	0.38	6.45	10.44	1.32	21.55	100.22
14-N19-3_44c	125-250µm	river sediment	38.12	0.04	21.33	0.00	28.85	0.54	3.88	7.28	0.59	29.38	100.62
14-N19-3_44r	125-250µm	river sediment	38.03	0.07	21.15	0.03	28.75	0.60	3.87	7.25	0.87	29.35	100.62
14-N19-3_45c	125-250µm	river sediment	38.90	0.05	21.99	0.02	23.22	0.57	5.89	9.57	0.35	23.79	100.57
14-N19-3_45r	125-250µm	river sediment	38.94	0.06	22.09	0.01	23.55	0.61	6.08	9.05	0.50	24.16	100.89
14-N19-3_46c	125-250µm	river sediment	39.53	0.06	22.07	0.00	23.14	0.53	9.47	5.29	0.56	23.67	100.65
14-N19-3_46r	125-250µm	river sediment	39.37	0.09	21.97	0.01	22.81	0.53	9.28	5.68	0.85	23.33	100.58
14-N19-3_47c	125-250µm	river sediment	38.61	0.02	21.52	0.07	27.75	0.40	7.22	4.02	0.94	28.15	100.54
14-N19-3_47r	125-250µm	river sediment	38.55	0.04	21.44	0.12	27.88	0.38	6.94	4.29	0.45	28.26	100.10
14-N19-3_48c	125-250µm	river sediment	39.20	0.04	22.06	0.02	23.34	0.41	6.77	8.66	0.18	23.75	100.69
14-N19-3_48r	125-250µm	river sediment	39.17	0.05	22.10	0.02	22.56	0.44	6.53	9.56	0.56	23.00	100.98
14-N19-3_49c	125-250µm	river sediment	38.89	0.02	21.98	0.03	23.79	0.47	5.33	9.94	0.43	24.27	100.89
14-N19-3_49r	125-250µm	river sediment	38.73	0.05	21.91	0.00	23.82	0.47	5.45	9.63	0.54	24.29	100.60
14-N19-3_50c	125-250µm	river sediment	38.15	0.04	21.38	0.00	25.47	0.47	4.36	9.31	1.47	25.94	100.66
14-N19-3_50r	125-250µm	river sediment	38.44	0.04	21.40	0.00	26.60	0.48	4.50	8.51	0.35	27.08	100.32
river sediments (250-500 µm)													
14-N19-3_1c	250-500µm	river sediment	39.40	0.04	22.18	0.20	22.21	0.52	10.75	4.09	1.26	22.73	100.64
14-N19-3_1r	250-500µm	river sediment	39.36	0.00	22.15	0.16	22.25	0.58	10.66	4.08	1.16	22.84	100.41
14-N19-3_2c	250-500µm	river sediment	39.20	0.06	21.75	0.03	21.15	0.40	8.19	8.40	1.17	21.56	100.36
14-N19-3_2r	250-500µm	river sediment	38.94	0.05	21.75	0.03	20.74	0.43	8.18	8.46	1.85	21.17	100.44
14-N19-3_3c	250-500µm	river sediment	39.08	0.08	21.90	0.01	22.16	0.38	7.67	8.27	0.89	22.54	100.43
14-N19-3_3r	250-500µm	river sediment	38.70	0.10	21.72	0.01	21.55	0.35	7.85	8.17	1.32	21.90	99.76
14-N19-3_4c	250-500µm	river sediment	40.17	0.01	22.83	0.05	18.84	0.43	13.00	4.37	0.90	19.27	100.60

14-N19-3_4r	250-500µm	river sediment	40.31	0.03	22.85	0.07	19.57	0.44	13.06	3.85	0.86	20.01	101.04
14-N19-3_5c	250-500µm	river sediment	38.30	0.04	20.85	0.05	29.56	0.18	4.98	5.63	1.06	29.74	100.65
14-N19-3_5r	250-500µm	river sediment	38.17	0.03	21.10	0.08	30.20	0.17	4.25	6.03	0.35	30.37	100.39
14-N19-3_6c	250-500µm	river sediment	38.57	0.01	21.67	0.07	26.11	0.41	5.72	7.35	0.99	26.52	100.89
14-N19-3_6r	250-500µm	river sediment	38.26	0.04	21.51	0.10	28.77	1.07	4.32	6.43	0.23	29.83	100.73
14-N19-3_7c	250-500µm	river sediment	39.21	0.01	21.89	0.22	24.15	0.64	9.61	3.88	0.96	24.79	100.56
14-N19-3_7r	250-500µm	river sediment	39.42	0.03	21.80	0.24	24.23	0.62	9.15	4.68	0.53	24.84	100.69
14-N19-3_8c	250-500µm	river sediment	38.76	0.05	21.95	0.02	22.32	0.49	5.53	10.72	0.88	22.82	100.72
14-N19-3_8r	250-500µm	river sediment	38.43	0.06	21.85	0.00	22.39	0.49	5.32	10.64	1.41	22.87	100.59
14-N19-3_9c	250-500µm	river sediment	39.02	0.08	21.69	0.03	21.50	0.42	6.60	10.17	1.20	21.92	100.71
14-N19-3_9r	250-500µm	river sediment	38.99	0.08	21.51	0.03	21.16	0.40	6.67	10.33	1.29	21.56	100.48
14-N19-3_10c	250-500µm	river sediment	38.43	0.12	21.54	0.00	25.83	0.25	5.73	7.62	1.06	26.08	100.58
14-N19-3_10r	250-500µm	river sediment	38.32	0.11	21.49	0.00	26.16	0.27	5.65	7.35	1.10	26.43	100.45
14-N19-3_11c	250-500µm	river sediment	38.83	0.01	21.91	0.03	27.14	0.31	5.90	6.61	0.59	27.45	101.33
14-N19-3_11r	250-500µm	river sediment	39.09	0.02	22.03	0.02	27.44	0.29	6.22	6.19	0.14	27.73	101.43
14-N19-3_12c	250-500µm	river sediment	38.98	0.04	22.00	0.03	22.51	0.57	4.94	11.51	0.44	23.08	101.01
14-N19-3_12r	250-500µm	river sediment	38.33	0.01	21.67	0.02	21.94	0.62	4.94	11.28	1.22	22.56	100.05
14-N19-3_13c	250-500µm	river sediment	38.45	0.02	21.66	0.04	27.16	0.22	6.20	5.91	0.92	27.38	100.58
14-N19-3_13r	250-500µm	river sediment	38.52	0.03	22.08	0.03	27.14	0.17	6.26	5.95	0.83	27.31	101.00
14-N19-3_14c	250-500µm	river sediment	39.13	0.08	21.52	0.03	21.77	0.42	8.56	7.34	1.76	22.19	100.61
14-N19-3_14r	250-500µm	river sediment	38.86	0.02	22.25	0.02	21.77	0.37	8.78	6.78	1.15	22.14	100.00
14-N19-3_15c	250-500µm	river sediment	38.96	0.10	21.37	0.00	21.18	0.39	7.16	9.62	1.86	21.58	100.65
14-N19-3_15r	250-500µm	river sediment	39.10	0.10	21.66	0.01	21.43	0.38	7.08	9.68	0.77	21.81	100.22
14-N19-3_16c	250-500µm	river sediment	39.45	0.03	22.23	0.02	22.92	0.43	9.37	5.58	0.53	23.35	100.56
14-N19-3_16r	250-500µm	river sediment	39.33	0.03	22.40	0.02	23.05	0.45	9.39	5.30	0.33	23.50	100.29
14-N19-3_17c	250-500µm	river sediment	38.80	0.02	22.15	0.00	23.28	0.30	6.37	8.95	0.69	23.59	100.55
14-N19-3_17r	250-500µm	river sediment	38.90	0.03	22.03	0.00	23.61	0.27	6.21	9.05	0.05	23.88	100.14
14-N19-3_18c	250-500µm	river sediment	39.36	0.05	21.97	0.10	23.60	0.38	7.89	7.07	0.87	23.98	101.30
14-N19-3_18r	250-500µm	river sediment	38.85	0.02	21.71	0.03	23.53	0.38	7.72	6.85	0.51	23.92	99.62
14-N19-3_19c	250-500µm	river sediment	39.99	0.05	22.56	0.01	18.39	0.38	11.10	7.26	1.10	18.78	100.84
14-N19-3_19r	250-500µm	river sediment	40.20	0.04	22.55	0.03	18.93	0.41	10.92	7.25	0.23	19.34	100.55
14-N19-3_20c	250-500µm	river sediment	38.32	0.02	21.45	0.03	27.11	0.35	6.09	5.87	1.53	27.46	100.77
14-N19-3_20r	250-500µm	river sediment	38.65	0.04	21.70	0.00	27.08	0.32	5.72	6.76	0.17	27.39	100.44
14-N19-3_21c	250-500µm	river sediment	39.79	0.01	22.62	0.03	20.09	0.40	12.80	3.33	1.49	20.49	100.56
14-N19-3_21r	250-500µm	river sediment	39.79	0.01	22.65	0.00	20.29	0.41	12.75	3.24	1.03	20.70	100.17
14-N19-3_22c	250-500µm	river sediment	38.95	0.03	21.80	0.02	21.79	0.45	6.56	9.88	1.15	22.24	100.62
14-N19-3_22r	250-500µm	river sediment	38.71	0.05	21.52	0.00	21.07	0.43	6.93	9.73	1.97	21.49	100.40
14-N19-3_23c	250-500µm	river sediment	38.85	0.04	21.83	0.02	22.04	0.40	4.95	11.88	0.78	22.44	100.77
14-N19-3_23r	250-500µm	river sediment	38.67	0.03	21.91	0.01	22.65	0.42	4.83	11.38	0.93	23.07	100.82
14-N19-3_24c	250-500µm	river sediment	39.41	0.03	22.29	0.03	22.14	0.34	10.57	4.53	1.36	22.48	100.70

14-N19-3_24r	250-500µm	river sediment	39.05	0.01	22.21	0.03	21.48	0.37	10.76	4.42	1.79	21.85	100.12
14-N19-3_25c	250-500µm	river sediment	38.61	0.07	21.65	0.01	24.81	0.43	5.04	9.38	0.85	25.23	100.84
14-N19-3_25r	250-500µm	river sediment	38.10	0.05	21.56	0.06	24.69	0.45	5.27	8.63	1.30	25.14	100.11
14-N19-3_26c	250-500µm	river sediment	37.76	0.04	20.70	0.02	27.84	0.51	4.58	6.76	2.17	28.35	100.36
14-N19-3_26r	250-500µm	river sediment	37.68	0.03	20.67	0.00	27.79	0.53	4.68	6.57	1.41	28.32	99.35
14-N19-3_27c	250-500µm	river sediment	39.33	0.01	22.15	0.05	19.72	0.41	8.22	9.57	1.33	20.13	100.79
14-N19-3_27r	250-500µm	river sediment	39.48	0.03	22.28	0.06	19.99	0.41	7.71	10.21	0.19	20.40	100.36
14-N19-3_28c	250-500µm	river sediment	39.53	0.04	22.39	0.09	20.94	0.36	9.61	6.92	0.96	21.30	100.84
14-N19-3_28r	250-500µm	river sediment	39.87	0.03	22.42	0.09	21.47	0.35	9.53	6.94	0.26	21.82	100.95
14-N19-3_29c	250-500µm	river sediment	39.30	0.03	22.19	0.03	20.95	0.46	6.66	10.72	0.70	21.41	101.04
14-N19-3_29r	250-500µm	river sediment	39.22	0.09	21.89	0.03	21.19	0.45	6.91	10.16	0.77	21.65	100.70
14-N19-3_30c	250-500µm	river sediment	38.80	0.04	21.89	0.07	24.26	0.43	7.08	7.11	1.19	24.69	100.87
14-N19-3_30r	250-500µm	river sediment	38.82	0.03	21.72	0.10	24.35	0.41	7.21	6.88	0.58	24.76	100.11
14-N19-3_31c	250-500µm	river sediment	38.95	0.06	21.61	0.04	22.70	0.43	6.70	9.01	0.88	23.12	100.38
14-N19-3_31r	250-500µm	river sediment	38.98	0.08	21.61	0.02	22.63	0.45	6.65	9.16	0.87	23.08	100.45
14-N19-3_32c	250-500µm	river sediment	39.66	0.01	22.17	0.18	21.52	0.48	10.80	4.82	1.89	22.00	101.52
14-N19-3_32r	250-500µm	river sediment	39.57	0.03	22.14	0.12	22.21	0.48	10.18	5.09	0.72	22.68	100.52
14-N19-3_33c	250-500µm	river sediment	39.24	0.04	22.06	0.00	23.25	0.39	7.86	7.27	0.30	23.65	100.42
14-N19-3_33r	250-500µm	river sediment	39.48	0.05	22.31	0.00	23.56	0.42	7.61	7.57	0.61	23.98	101.60
14-N19-3_34c	250-500µm	river sediment	39.70	0.02	22.49	0.04	19.99	0.36	10.10	7.12	0.78	20.35	100.59
14-N19-3_34r	250-500µm	river sediment	39.05	0.04	22.28	0.06	20.03	0.38	9.29	7.61	0.96	20.42	99.71
14-N19-3_35c	250-500µm	river sediment	38.75	0.06	21.18	0.02	22.73	0.61	5.93	9.74	1.76	23.34	100.78
14-N19-3_35-r	250-500µm	river sediment	38.48	0.07	21.02	0.00	23.38	0.49	5.88	9.15	1.50	23.87	99.98
14-N19-3_37c	250-500µm	river sediment	38.50	0.07	21.16	0.02	24.05	0.44	5.38	9.38	1.64	24.49	100.63
14-N19-3_37r	250-500µm	river sediment	38.13	0.07	20.89	0.02	23.38	0.41	5.50	9.41	1.85	23.80	99.66
14-N19-3_38c	250-500µm	river sediment	39.22	0.09	22.11	0.07	23.28	0.40	8.79	5.96	0.86	23.68	100.78
14-N19-3_38-r	250-500µm	river sediment	38.74	0.06	21.85	0.04	22.59	0.46	8.88	5.85	1.66	23.05	100.13
14-N19-3_39c	250-500µm	river sediment	39.55	0.03	22.30	0.03	21.98	0.44	10.21	5.23	0.76	22.42	100.54
14-N19-3_39-r	250-500µm	river sediment	39.76	0.01	22.35	0.03	22.42	0.43	10.20	5.08	0.20	22.86	100.49
14-N19-3_40-c	250-500µm	river sediment	38.72	0.09	21.55	0.12	22.59	0.51	7.57	7.63	1.86	23.10	100.63
14-N19-3_40r	250-500µm	river sediment	38.52	0.07	21.38	0.12	22.56	0.53	7.76	7.17	1.84	23.09	99.96
14-N19-3_41c	250-500µm	river sediment	39.14	0.04	21.97	0.01	22.73	0.50	8.78	6.21	1.13	23.23	100.51
14-N19-3_41r	250-500µm	river sediment	39.10	0.03	21.95	0.09	23.18	0.47	8.39	6.38	0.38	23.65	99.97
14-N19-3_42c	250-500µm	river sediment	38.33	0.07	21.43	0.00	24.07	0.96	3.05	12.03	1.07	25.03	101.01
14-N19-3_42r	250-500µm	river sediment	38.17	0.00	21.43	0.01	22.82	0.66	3.67	12.18	1.32	23.48	100.26
14-N19-3_43c	250-500µm	river sediment	37.93	0.02	21.33	0.03	31.53	0.14	4.62	4.26	0.83	31.67	100.70
14-N19-3_43r	250-500µm	river sediment	37.59	0.03	21.15	0.00	31.37	0.15	4.64	4.05	0.95	31.51	99.93
14-N19-3_44c	250-500µm	river sediment	39.21	0.00	22.36	0.02	21.79	0.73	9.44	5.87	1.25	22.52	100.69
14-N19-3_44r	250-500µm	river sediment	38.86	0.03	21.79	0.00	21.48	0.69	9.23	6.13	1.61	22.17	99.82
14-N19-3_45c	250-500µm	river sediment	38.87	0.01	21.92	0.01	23.14	0.36	7.29	7.80	1.27	23.50	100.68

14-N19-3_45r	250-500µm	river sediment	39.17	0.02	22.22	0.01	24.19	0.35	7.21	7.37	0.40	24.54	100.94
14-N19-3_46c	250-500µm	river sediment	38.54	0.01	22.06	0.09	24.73	0.45	7.68	5.64	1.33	25.18	100.53
14-N19-3_46r	250-500µm	river sediment	38.99	0.02	22.13	0.03	25.06	0.38	8.01	5.40	0.52	25.44	100.54
14-N19-3_47c	250-500µm	river sediment	39.36	0.04	21.89	0.04	20.20	0.44	7.80	9.79	0.94	20.64	100.49
14-N19-3_47r	250-500µm	river sediment	39.19	0.06	21.84	0.07	19.91	0.47	7.75	9.94	1.27	20.37	100.50
14-N19-3_48c	250-500µm	river sediment	38.86	0.01	22.05	0.05	24.13	0.40	7.87	6.19	1.17	24.53	100.72
14-N19-3_48r	250-500µm	river sediment	39.27	0.03	22.15	0.05	24.57	0.38	7.82	6.32	0.04	24.95	100.63
14-N19-3_49c	250-500µm	river sediment	38.92	0.03	22.05	0.00	23.79	0.39	9.02	4.92	1.22	24.18	100.33
14-N19-3_49r	250-500µm	river sediment	39.33	0.04	22.25	0.00	24.73	0.37	8.73	4.99	0.43	25.11	100.87
14-N19-3_50c	250-500µm	river sediment	39.21	0.00	22.18	0.06	24.96	0.49	9.66	3.28	0.81	25.45	100.67
14-N19-3_50r	250-500µm	river sediment	38.93	0.01	21.83	0.05	24.49	0.51	9.69	3.33	1.01	25.01	99.86
river sediments (500-1000 µm)													
15-N19-3_1c	500-1000µm	river sediment	38.96	0.04	21.82	0.03	25.20	0.46	6.72	7.01	0.19	25.66	100.43
15-N19-3_1r	500-1000µm	river sediment	39.54	0.07	21.93	0.03	25.26	0.44	6.48	7.64	0.00	25.70	101.39
15-N19-3_2c	500-1000µm	river sediment	38.57	0.07	21.66	0.01	23.16	0.61	3.64	12.43	0.66	23.76	100.81
15-N19-3_2r	500-1000µm	river sediment	39.31	0.05	22.38	0.00	23.43	0.63	3.65	11.92	0.00	24.06	101.36
15-N19-3_3c	500-1000µm	river sediment	39.72	0.00	22.42	0.01	25.11	0.61	9.89	3.23	0.01	25.72	101.01
15-N19-3_3r	500-1000µm	river sediment	39.52	0.01	22.42	0.04	25.19	0.59	9.53	3.50	0.27	25.79	101.07
15-N19-3_5c	500-1000µm	river sediment	39.00	0.08	21.35	0.01	24.12	0.39	6.08	8.87	0.86	24.51	100.76
15-N19-3_5r	500-1000µm	river sediment	38.64	0.04	21.79	0.00	24.39	0.43	6.50	7.67	0.80	24.82	100.26
15-N19-3_6c	500-1000µm	river sediment	38.93	0.03	21.91	0.04	22.83	0.64	5.93	9.77	0.37	23.48	100.45
15-N19-3_6r	500-1000µm	river sediment	39.00	0.05	21.89	0.05	22.90	0.63	5.83	9.94	0.07	23.53	100.37
15-N19-3_7c	500-1000µm	river sediment	39.35	0.08	21.62	0.06	21.78	0.37	7.57	8.96	1.09	22.15	100.88
15-N19-3_7r	500-1000µm	river sediment	39.94	0.05	22.66	0.01	21.96	0.36	7.77	8.35	0.00	22.32	101.09
15-N19-3_8c	500-1000µm	river sediment	39.47	0.03	22.39	0.01	21.13	0.40	6.78	10.56	0.00	21.54	100.78
15-N19-3_8r	500-1000µm	river sediment	39.63	0.03	22.44	0.02	21.96	0.42	7.01	9.35	0.00	22.38	100.87
15-N19-3_9c	500-1000µm	river sediment	38.93	0.08	22.00	0.05	21.78	0.51	5.13	11.86	0.78	22.28	101.11
15-N19-3_9r	500-1000µm	river sediment	39.10	0.06	22.29	0.03	20.61	0.44	5.58	11.89	0.00	21.05	100.00
15-N19-3_10c	500-1000µm	river sediment	39.34	0.05	22.07	0.11	24.90	0.28	6.80	7.35	0.00	25.18	100.90
15-N19-3_10r	500-1000µm	river sediment	39.16	0.04	21.99	0.12	25.10	0.31	6.76	7.25	0.00	25.41	100.73
15-N19-3_11c	500-1000µm	river sediment	38.55	0.04	21.53	0.08	26.07	1.10	5.04	7.77	0.71	27.17	100.89
15-N19-3_11r	500-1000µm	river sediment	38.95	0.03	21.72	0.10	25.62	0.49	5.38	8.41	0.00	26.10	100.70
15-N19-3_12c	500-1000µm	river sediment	39.38	0.07	22.16	0.02	21.69	0.51	8.03	8.30	0.95	22.20	101.12
15-N19-3_12r	500-1000µm	river sediment	39.20	0.07	22.05	0.00	21.63	0.53	8.07	8.10	0.98	22.15	100.63
15-N19-3_13c	500-1000µm	river sediment	38.54	0.00	21.78	0.03	26.77	0.23	5.62	7.08	0.44	27.00	100.47
15-N19-3_13r	500-1000µm	river sediment	38.22	0.03	21.58	0.00	26.67	0.25	4.68	8.17	0.76	26.93	100.36
15-N19-3_14c	500-1000µm	river sediment	39.77	0.06	22.05	0.06	22.08	0.35	9.28	6.74	0.27	22.43	100.67
15-N19-3_14r	500-1000µm	river sediment	39.37	0.06	22.07	0.05	21.08	0.29	9.06	7.49	0.79	21.38	100.26
15-N19-3_15c	500-1000µm	river sediment	39.43	0.02	22.23	0.01	22.02	0.42	7.68	8.61	0.39	22.44	100.81
15-N19-3_15r	500-1000µm	river sediment	39.87	0.04	22.45	0.04	22.18	0.38	7.26	8.91	0.00	22.55	101.11

15-N19-3_16c	500-1000µm	river sediment	39.44	0.05	22.12	0.00	21.97	0.55	9.65	5.84	0.80	22.52	100.41
15-N19-3_16r	500-1000µm	river sediment	38.93	0.04	21.99	0.00	21.20	0.53	9.61	6.02	1.33	21.73	99.64
15-N19-3_18c	500-1000µm	river sediment	38.55	0.06	21.12	0.00	23.18	0.48	5.04	10.54	1.65	23.66	100.62
15-N19-3_18r	500-1000µm	river sediment	38.69	0.03	21.37	0.00	23.45	0.43	5.12	10.36	0.84	23.88	100.29
15-N19-3_19c	500-1000µm	river sediment	39.73	0.03	22.44	0.05	19.18	0.43	7.92	10.78	0.65	19.60	101.21
15-N19-3_19r	500-1000µm	river sediment	38.56	0.07	21.59	0.06	17.40	0.42	7.71	11.39	2.49	17.82	99.68
15-N19-3_20c	500-1000µm	river sediment	39.02	0.09	21.92	0.04	22.49	0.72	6.94	8.70	0.72	23.21	100.65
15-N19-3_20r	500-1000µm	river sediment	38.74	0.10	21.51	0.02	22.02	0.80	7.15	8.46	1.28	22.82	100.07
15-N19-3_21c	500-1000µm	river sediment	41.17	0.01	23.31	0.02	15.27	0.39	15.06	5.26	0.41	15.66	100.89
15-N19-3_21r	500-1000µm	river sediment	41.41	0.04	23.11	0.01	15.89	0.41	15.12	4.54	0.00	16.31	100.54
15-N19-3_22c	500-1000µm	river sediment	39.07	0.03	21.99	0.03	25.54	0.25	6.02	7.98	0.11	25.79	101.02
15-N19-3_22r	500-1000µm	river sediment	39.38	0.01	22.32	0.04	27.24	0.91	4.83	6.87	0.00	28.15	101.61
15-N19-3_23c	500-1000µm	river sediment	39.06	0.07	22.10	0.04	26.77	0.27	6.10	6.90	0.04	27.04	101.35
15-N19-3_23r	500-1000µm	river sediment	39.48	0.03	22.42	0.02	26.93	0.29	5.47	7.16	0.00	27.23	101.80
15-N19-3_24c	500-1000µm	river sediment	39.27	0.01	22.44	0.05	24.61	0.39	7.90	6.16	0.55	25.00	101.38
15-N19-3_24r	500-1000µm	river sediment	38.92	0.03	21.70	0.04	25.41	0.45	7.27	6.04	0.65	25.86	100.52
15-N19-3_25c	500-1000µm	river sediment	39.26	0.02	22.11	0.06	24.62	0.35	7.52	6.69	0.00	24.97	100.63
15-N19-3_25r	500-1000µm	river sediment	38.17	0.00	21.67	0.07	28.59	0.96	5.23	5.27	0.61	29.55	100.57
15-N19-3_26c	500-1000µm	river sediment	39.25	0.00	22.27	0.03	23.65	0.36	8.32	6.31	0.32	24.01	100.50
15-N19-3_26r	500-1000µm	river sediment	39.11	0.02	22.05	0.21	23.48	0.35	8.40	6.23	0.61	23.84	100.48
15-N19-3_27c	500-1000µm	river sediment	39.92	0.03	22.58	0.02	20.93	0.39	11.85	4.14	0.56	21.32	100.42
15-N19-3_27r	500-1000µm	river sediment	39.54	0.03	22.42	0.00	20.07	0.35	12.23	3.96	1.73	20.41	100.33
15-N19-3_28c	500-1000µm	river sediment	39.45	0.07	21.84	0.09	19.08	0.44	6.62	12.43	0.82	19.51	100.84
15-N19-3_28r	500-1000µm	river sediment	39.06	0.09	21.64	0.11	18.77	0.40	6.71	12.22	1.05	19.17	100.05
15-N19-3_29c	500-1000µm	river sediment	38.60	0.13	21.61	0.02	26.40	1.43	4.37	8.07	0.00	27.83	100.62
15-N19-3_29r	500-1000µm	river sediment	38.07	0.13	21.47	0.02	25.75	1.87	4.28	8.08	0.81	27.62	100.49
15-N19-3_30c	500-1000µm	river sediment	39.18	0.05	22.01	0.01	20.34	0.44	6.85	10.84	1.02	20.78	100.73
15-N19-3_30r	500-1000µm	river sediment	39.28	0.05	22.07	0.00	21.05	0.44	6.62	10.71	0.29	21.49	100.51
15-N19-3_31c	500-1000µm	river sediment	38.88	0.02	21.72	0.03	25.74	0.66	9.07	3.07	1.40	26.40	100.58
15-N19-3_31r	500-1000µm	river sediment	38.58	0.03	21.76	0.03	25.52	0.71	9.14	2.83	1.55	26.23	100.14
15-N19-3_32c	500-1000µm	river sediment	38.78	0.03	21.83	0.10	24.02	0.43	6.44	8.17	0.67	24.44	100.46
15-N19-3_32r	500-1000µm	river sediment	38.58	0.03	21.82	0.08	23.96	0.41	6.33	8.20	0.66	24.36	100.05
15-N19-3_33c	500-1000µm	river sediment	38.91	0.08	21.71	0.01	23.11	0.59	6.85	8.34	1.09	23.70	100.70
15-N19-3_33r	500-1000µm	river sediment	39.02	0.04	22.16	0.01	23.68	0.53	6.54	8.45	0.14	24.21	100.56
15-N19-3_34c	500-1000µm	river sediment	38.59	0.02	21.78	0.00	24.93	0.28	5.46	8.75	1.03	25.20	100.84
15-N19-3_34r	500-1000µm	river sediment	39.30	0.02	22.22	0.03	27.23	0.26	4.80	7.80	0.00	27.49	101.66
15-N19-3_35c	500-1000µm	river sediment	39.30	0.18	21.67	0.00	21.52	0.81	6.70	10.06	1.02	22.32	101.26
15-N19-3_35r	500-1000µm	river sediment	39.98	0.11	22.26	0.02	21.77	0.40	6.61	10.37	0.00	22.17	101.53
15-N19-3_36c	500-1000µm	river sediment	39.83	0.03	22.43	0.04	21.71	0.45	10.42	5.40	0.52	22.15	100.83
15-N19-3_36r	500-1000µm	river sediment	39.40	0.04	22.27	0.03	21.32	0.45	10.33	5.43	0.83	21.77	100.10

15-N19-3_37c	500-1000µm	river sediment	39.36	0.01	22.30	0.00	23.30	0.45	9.14	5.48	0.96	23.76	101.00
15-N19-3_37r	500-1000µm	river sediment	39.16	0.03	22.22	0.00	25.39	0.45	8.40	4.71	0.26	25.84	100.62
15-N19-3_38c	500-1000µm	river sediment	38.69	0.01	21.68	0.01	26.11	0.49	5.30	7.97	0.76	26.60	101.02
15-N19-3_38r	500-1000µm	river sediment	38.79	0.05	21.30	0.00	26.91	0.50	5.16	7.67	0.28	27.40	100.66
15-N19-3_39c	500-1000µm	river sediment	39.53	0.08	22.09	0.10	20.96	0.36	10.66	5.47	0.87	21.32	100.11
15-N19-3_39r	500-1000µm	river sediment	39.67	0.08	22.02	0.12	21.13	0.37	10.65	5.48	0.61	21.49	100.12
15-N19-3_40c	500-1000µm	river sediment	38.95	0.03	21.94	0.04	23.93	0.29	7.17	7.49	1.05	24.23	100.88
15-N19-3_40r	500-1000µm	river sediment	38.87	0.10	21.58	0.05	23.46	0.33	7.02	8.02	0.92	23.78	100.34
15-N19-3_41c	500-1000µm	river sediment	40.39	0.06	22.27	0.08	21.45	0.49	10.95	5.37	0.27	21.94	101.34
15-N19-3_41r	500-1000µm	river sediment	40.78	0.04	23.24	0.07	21.26	0.45	10.42	5.53	0.00	21.71	101.78
15-N19-3_42c	500-1000µm	river sediment	39.37	0.00	22.26	0.06	24.34	0.41	8.95	4.97	0.68	24.75	101.05
15-N19-3_42r	500-1000µm	river sediment	39.41	0.02	22.36	0.04	25.12	0.44	8.76	4.65	0.46	25.56	101.27
15-N19-3_43c	500-1000µm	river sediment	39.14	0.04	21.92	0.07	22.41	0.37	7.96	7.70	0.96	22.78	100.56
15-N19-3_43r	500-1000µm	river sediment	39.15	0.07	22.06	0.03	22.80	0.37	8.19	7.11	0.79	23.16	100.57
15-N19-3_44c	500-1000µm	river sediment	40.30	0.01	22.73	0.09	21.37	0.38	12.35	3.45	0.68	21.75	101.36
15-N19-3_44r	500-1000µm	river sediment	40.16	0.01	22.53	0.10	22.09	0.44	11.41	4.02	0.57	22.53	101.33
15-N19-3_45c	500-1000µm	river sediment	38.55	0.03	21.80	0.01	25.08	0.47	4.27	10.11	0.30	25.55	100.61
15-N19-3_45r	500-1000µm	river sediment	38.52	0.07	21.96	0.02	25.06	0.68	4.26	9.97	0.17	25.74	100.71
15-N19-3_46c	500-1000µm	river sediment	39.01	0.05	21.82	0.02	24.71	0.40	8.01	5.70	1.35	25.11	101.07
15-N19-3_46r	500-1000µm	river sediment	37.84	0.02	21.09	0.01	25.86	1.36	6.19	5.46	2.17	27.22	100.00
15-N19-3_47c	500-1000µm	river sediment	39.62	0.03	22.19	0.08	16.72	0.38	9.77	10.05	1.75	17.10	100.59
15-N19-3_47r	500-1000µm	river sediment	39.95	0.04	22.29	0.10	17.91	0.40	9.39	9.95	0.51	18.31	100.55
15-N19-3_48c	500-1000µm	river sediment	39.32	0.03	22.10	0.05	20.09	0.43	8.27	9.20	1.31	20.53	100.80
15-N19-3_48r	500-1000µm	river sediment	39.32	0.04	22.23	0.05	21.19	0.43	8.38	8.19	1.14	21.61	100.95
15-N19-3_49c	500-1000µm	river sediment	39.04	0.04	21.71	0.00	25.72	0.27	6.76	6.77	0.93	25.99	101.26
15-N19-3_49r	500-1000µm	river sediment	38.62	0.04	21.60	0.09	24.91	0.26	6.63	7.21	1.05	25.17	100.41
15-N19-3_50c	500-1000µm	river sediment	39.44	0.08	22.09	0.02	21.20	0.38	9.74	6.46	1.24	21.58	100.64
15-N19-3_50r	500-1000µm	river sediment	39.48	0.07	21.99	0.06	21.13	0.38	9.47	6.92	0.90	21.51	100.41
15-N19-3_17c	500-1000µm	river sediment	38.97	0.04	21.93	0.01	24.70	0.31	8.88	4.53	1.37	25.01	100.72
15-N19-3_17r	500-1000µm	river sediment	39.12	0.03	22.20	0.03	25.49	0.34	8.62	4.37	0.83	25.83	101.04

MANUSCRIPT IV: Supplementary data

- Table S1: Heavy Mineral Assemblages with and without opaque minerals
- Table S2: Groups of Heavy Mineral Assemblages
- Table S3: Major element composition of garnets (wt%); c: core, r: rim, m: mantle
- Table S4: Content of heavy minerals from the rock formations of Flatraket, Ulvesund, and Runde
- Table S5: Thin sections of some hardrocks showing grain sizes of garnets.

Supplementary data (Krippner et al.)

Table S1: Heavy Mineral Assemblages with and without opaque minerals

AK-N8-1	proportion [%]	quantity	AK-N8-1	proportion [%]	quantity
opaque	8.8	26	-	-	-
micas	2.4	7	-	-	-
alterites	0	0	-	-	-
garnet	64.6	190	garnet	72.8	190
pyroxene	9.5	28	pyroxene	10.7	28
epidote	0.7	2	epidote	0.8	2
zoisite	4.8	14	zoisite	5.4	14
amphibole	0.7	2	amphibole	0.8	2
kyanite	0.3	1	kyanite	0.4	1
olivine	0	0	olivine	0	0
apatite	5.4	16	apatite	6.1	16
zircon	1.7	5	zircon	1.9	5
tourmaline	0	0	tourmaline	0	0
rutile	1	3	rutile	1.1	3
titanite	0	0	titanite	0	0
total	100	294	total	100	261

AK-N13-1	proportion [%]	quantity	AK-N13-1	proportion [%]	quantity
opaque	0	0	-	-	-
micas	1.4	4	-	-	-
alterites	1.8	5	-	-	-
garnet	9.3	26	garnet	9.6	26
pyroxene	35	98	pyroxene	36.2	98
epidote	12.9	36	epidote	13.3	36
zoisite	25.4	71	zoisite	26.2	71
amphibole	2.5	7	amphibole	2.6	7
kyanite	1.8	5	kyanite	1.8	5
olivine	1.8	5	olivine	1.8	5
apatite	2.5	7	apatite	2.6	7
zircon	0	0	zircon	0	0
tourmaline	2.1	6	tourmaline	2.2	6
rutile	1.8	5	rutile	1.8	5
titanite	1.8	5	titanite	1.8	5
total	100	280	total	100	271

AK-N37	proportion [%]	quantity	AK-N37	proportion [%]	quantity
opaque	19.8	73	-	-	-
micas	6.3	23	-	-	-
alterites	2.2	8	-	-	-
garnet	21.2	78	garnet	29.5	78
pyroxene	32.6	120	pyroxene	45.5	120
epidote	1.4	5	epidote	1.9	5
zoisite	2.7	10	zoisite	3.8	10
amphibole	4.9	18	amphibole	6.8	18
kyanite	0.5	2	kyanite	0.8	2
olivine	0.5	2	olivine	0.8	2
apatite	3.5	13	apatite	4.9	13
zircon	1.6	6	zircon	2.3	6
tourmaline	2.2	8	tourmaline	3	8
rutile	0.3	1	rutile	0.4	1
titanite	0.3	1	titanite	0.4	1
total	100	368	total	100	264

Table S2: Groups of Heavy Mineral Assemblages

AK-N8-1	proportion [%]	quantity
garnet	72.8	190
pyroxene	10.7	28
epidote-group	6.1	16
amphibole	0.8	2
apatite	6.1	16
stable minerals	3.1	8
others	0.4	1
total	100	261

AK-N13-1	proportion [%]	quantity
garnet	9.6	26
pyroxene	36.2	98
epidote-group	39.5	107
amphibole	2.6	7
apatite	2.6	7
stable minerals	4.1	11
others	5.5	15
total	100	271

AK-N37	proportion [%]	quantity
garnet	29.5	78
pyroxene	45.5	120
epidote-group	5.7	15
amphibole	6.8	18
apatite	4.9	13
stable minerals	5.7	15
others	1.9	5
total	100	264

AK-N13-2a_13c	pebble	Flatraket	39.61	0.00	22.48	0.00	22.39	0.42	10.56	4.47	0.07	99.99	39.69	47.35	12.06	0.90
AK-N13-2a_13m	pebble	Flatraket	39.66	0.00	22.46	0.00	22.11	0.44	10.50	4.62	0.00	99.79	39.65	46.85	12.55	0.94
AK-N13-2a_13c	pebble	Flatraket	39.55	0.00	22.32	0.00	22.22	0.42	10.07	5.00	0.00	99.59	38.19	47.28	13.62	0.91
AK-N13-2a_14c	pebble	Flatraket	39.79	0.04	22.58	0.00	21.69	0.42	10.85	4.81	0.06	100.23	40.58	45.61	12.92	0.89
AK-N13-2a_14m	pebble	Flatraket	39.77	0.04	22.50	0.00	21.86	0.43	10.65	4.77	0.00	100.00	40.06	46.14	12.89	0.91
AK-N13-2a_14r	pebble	Flatraket	39.18	0.00	22.15	0.00	21.96	0.49	10.34	4.65	0.60	99.32	38.91	47.47	12.57	1.05
AK-N13-2a_15c	pebble	Flatraket	39.90	0.00	22.52	0.00	22.13	0.42	11.97	2.95	0.00	99.90	44.76	46.40	7.94	0.90
AK-N13-2a_15m	pebble	Flatraket	39.97	0.00	22.62	0.00	22.03	0.43	11.55	3.48	0.00	100.07	43.32	46.37	9.40	0.91
AK-N13-2a_15r	pebble	Flatraket	39.88	0.00	22.63	0.00	22.13	0.41	11.27	3.82	0.00	100.15	42.27	46.55	10.31	0.88
AK-N13-2a_16c	pebble	Flatraket	39.85	0.00	22.48	0.00	22.24	0.43	12.10	2.66	0.03	99.80	45.22	46.71	7.15	0.92
AK-N13-2a_16m	pebble	Flatraket	39.66	0.00	22.50	0.00	22.34	0.42	11.87	2.72	0.47	99.93	44.24	47.58	7.29	0.89
AK-N13-2a_16r	pebble	Flatraket	39.70	0.00	22.49	0.00	22.72	0.45	11.68	2.70	0.05	99.79	43.83	47.92	7.29	0.96
AK-N13-2a_17c	pebble	Flatraket	39.85	0.04	22.54	0.00	22.26	0.40	11.94	2.80	0.00	99.83	44.76	46.84	7.54	0.86
AK-N13-2a_17m	pebble	Flatraket	39.87	0.05	22.48	0.00	22.00	0.41	12.11	2.67	0.00	99.60	45.51	46.38	7.22	0.89
AK-N13-2a_17r	pebble	Flatraket	39.23	0.00	22.30	0.00	23.23	0.45	9.78	4.52	0.24	99.72	37.00	49.75	12.29	0.96
AK-N13-2a_18c	pebble	Flatraket	39.79	0.00	22.45	0.00	21.35	0.40	11.03	4.81	0.49	100.26	40.96	45.38	12.82	0.84
AK-N13-2a_18m	pebble	Flatraket	39.82	0.00	22.54	0.00	22.11	0.38	12.09	2.57	0.00	99.52	45.53	46.69	6.95	0.82
AK-N13-2a_18r	pebble	Flatraket	39.76	0.00	22.81	0.00	21.98	0.43	12.20	2.64	0.26	100.06	45.52	46.49	7.09	0.91
AK-N13-2a_19c	pebble	Flatraket	40.06	0.00	22.64	0.00	21.17	0.72	11.98	3.61	0.00	100.18	44.61	44.20	9.67	1.52
AK-N13-2a_19m	pebble	Flatraket	39.93	0.00	22.62	0.00	22.20	0.42	11.35	3.61	0.00	100.13	42.62	46.74	9.75	0.89
AK-N13-2a_19r	pebble	Flatraket	39.93	0.05	22.39	0.00	21.84	0.41	11.66	3.43	0.00	99.72	43.81	46.04	9.27	0.88
AK-N13-2a_20c	pebble	Flatraket	39.82	0.00	22.72	0.00	22.03	0.39	12.30	2.55	0.13	99.93	45.94	46.39	6.85	0.82
AK-N13-2a_20m	pebble	Flatraket	40.07	0.00	22.49	0.00	21.80	0.38	12.02	3.19	0.00	99.95	44.92	45.71	8.58	0.80
AK-N13-2a_20r	pebble	Flatraket	39.78	0.00	22.42	0.00	22.23	0.46	10.78	4.28	0.00	99.96	40.53	46.91	11.57	0.99
AK-N13-2b-1c	pebble	Flatraket	38.78	0.07	21.82	0.00	23.89	0.45	5.51	9.54	0.00	100.06	21.18	51.49	26.34	0.99
AK-N13-2b-1m	pebble	Flatraket	38.96	0.00	22.05	0.00	23.20	0.38	5.60	9.81	0.00	100.01	21.65	50.27	27.24	0.84
AK-N13-2b-1r	pebble	Flatraket	38.78	0.04	21.93	0.00	23.66	0.45	5.63	9.22	0.00	99.69	21.83	51.49	25.70	0.98
AK-N13-2b-2c	pebble	Flatraket	39.15	0.05	21.73	0.00	24.23	0.44	5.91	9.09	0.00	100.60	22.49	51.70	24.86	0.95
AK-N13-2b-2m	pebble	Flatraket	38.84	0.04	21.99	0.00	24.04	0.47	5.72	9.19	0.00	100.29	21.93	51.73	25.32	1.01
AK-N13-2b-2r	pebble	Flatraket	38.83	0.00	22.07	0.00	22.79	0.45	5.29	10.44	0.00	99.87	20.48	49.48	29.04	1.00
AK-N13-2b-3c	pebble	Flatraket	38.91	0.00	21.98	0.00	24.56	0.47	6.11	7.94	0.00	99.97	23.64	53.27	22.06	1.03
AK-N13-2b-3m	pebble	Flatraket	38.87	0.00	22.14	0.00	23.53	0.41	5.55	9.73	0.00	100.24	21.37	50.82	26.92	0.89
AK-N13-2b-3r	pebble	Flatraket	39.11	0.04	22.04	0.00	23.39	0.42	5.77	9.63	0.00	100.40	22.14	50.39	26.57	0.91
AK-N13-2b-4c	pebble	Flatraket	38.92	0.08	21.20	0.00	23.83	0.43	5.49	9.80	0.56	100.25	20.79	51.65	26.64	0.91
AK-N13-2b-4,m	pebble	Flatraket	38.98	0.05	22.00	0.00	24.27	0.43	5.87	8.86	0.00	100.46	22.49	52.16	24.41	0.94
AK-N13-2b-4r	pebble	Flatraket	38.79	0.00	22.02	0.00	23.20	0.45	5.32	10.34	0.21	100.31	20.35	50.22	28.45	0.98
AK-N13-2b-5c	pebble	Flatraket	38.80	0.04	22.03	0.00	22.84	0.39	5.53	10.42	0.35	100.35	21.07	49.53	28.55	0.84
AK-N13-2b-5m	pebble	Flatraket	39.03	0.00	22.05	0.00	23.59	0.43	5.53	9.72	0.00	100.36	21.27	50.92	26.87	0.95
AK-N13-2b-5r	pebble	Flatraket	39.12	0.00	22.05	0.00	24.06	0.57	5.53	9.47	0.00	100.80	21.14	51.59	26.02	1.25
AK-N13-2b-6c	pebble	Flatraket	39.05	0.00	22.13	0.00	22.39	0.38	5.48	11.04	0.02	100.49	20.92	47.98	30.28	0.82

AK-N13-2b-6m	pebble	Flatraket	38.94	0.00	21.95	0.00	23.97	0.43	5.67	9.40	0.04	100.40	21.69	51.51	25.86	0.94
AK-N13-2b-6r	pebble	Flatraket	38.90	0.00	22.13	0.00	24.43	0.47	5.72	8.87	0.00	100.52	21.94	52.58	24.45	1.03
AK-N13-2b-7c	pebble	Flatraket	38.72	0.00	22.05	0.00	22.72	0.44	5.45	10.48	0.47	100.28	20.80	49.53	28.73	0.94
AK-N13-2b-7m	pebble	Flatraket	39.09	0.00	22.23	0.00	23.88	0.48	5.82	9.14	0.00	100.63	22.33	51.42	25.22	1.04
AK-N13-2b-7r	pebble	Flatraket	39.09	0.04	21.77	0.00	24.26	0.43	5.92	8.54	0.00	100.04	22.83	52.54	23.70	0.93
AK-N13-2b-8c	pebble	Flatraket	38.69	0.00	22.05	0.00	25.17	0.42	6.25	7.44	0.17	100.16	23.99	54.55	20.53	0.93
AK-N13-2b-8m	pebble	Flatraket	38.88	0.00	22.00	0.00	22.76	0.41	5.30	10.73	0.00	100.09	20.37	49.08	29.65	0.91
AK-N13-2b-8r	pebble	Flatraket	38.99	0.00	22.16	0.00	22.57	0.40	5.44	10.67	0.00	100.22	20.94	48.70	29.49	0.88
AK-N13-2b-9c	pebble	Flatraket	38.82	0.07	21.96	0.00	23.57	0.46	5.92	9.29	0.29	100.35	22.57	50.98	25.46	0.99
AK-N13-2b-9m	pebble	Flatraket	39.01	0.00	22.03	0.00	22.64	0.41	5.39	10.86	0.00	100.33	20.63	48.61	29.87	0.89
AK-N13-2b-9r	pebble	Flatraket	39.31	0.00	22.40	0.00	22.48	0.39	5.53	10.30	0.00	100.41	21.47	48.94	28.71	0.87
AK-N13-2b-10c	pebble	Flatraket	39.17	0.05	22.26	0.00	24.32	0.45	6.11	8.74	0.10	101.19	23.19	51.98	23.85	0.98
AK-N13-2b-10m	pebble	Flatraket	38.70	0.00	21.98	0.00	23.24	0.44	5.33	10.22	0.41	100.27	20.38	50.62	28.06	0.95
AK-N13-2b-10r	pebble	Flatraket	39.01	0.00	22.05	0.00	24.12	0.47	5.57	9.32	0.00	100.54	21.36	51.93	25.69	1.03
AK-N13-2b-11c	pebble	Flatraket	38.98	0.04	22.04	0.00	23.79	0.42	5.76	9.40	0.00	100.43	22.06	51.14	25.89	0.90
AK-N13-2b-11m	pebble	Flatraket	38.98	0.00	22.15	0.00	22.35	0.39	5.69	10.71	0.13	100.39	21.70	48.07	29.37	0.85
AK-N13-2b-11r	pebble	Flatraket	38.84	0.00	21.93	0.00	22.86	0.39	5.58	10.16	0.00	99.77	21.53	49.47	28.15	0.85
AK-N13-2b-12c	pebble	Flatraket	38.88	0.08	21.72	0.05	24.12	0.46	5.62	9.19	0.00	100.12	21.60	52.01	25.39	1.00
AK-N13-2b-12m	pebble	Flatraket	39.10	0.00	22.12	0.00	23.37	0.42	5.37	10.33	0.00	100.70	20.54	50.16	28.39	0.91
AK-N13-2b-12r	pebble	Flatraket	38.77	0.04	21.87	0.00	22.76	0.40	5.21	10.76	0.00	99.80	20.09	49.22	29.81	0.87
AK-N13-2b-13c	pebble	Flatraket	38.86	0.05	21.68	0.00	23.75	0.45	5.63	9.58	0.11	100.10	21.52	51.17	26.33	0.98
AK-N13-2b-13m	pebble	Flatraket	38.85	0.00	21.93	0.00	23.06	0.43	5.38	10.44	0.17	100.24	20.56	49.81	28.69	0.94
AK-N13-2b-13r	pebble	Flatraket	39.11	0.00	21.88	0.00	23.77	0.42	5.44	9.88	0.00	100.50	20.83	51.07	27.19	0.92
AK-N13-2b-14c	pebble	Flatraket	38.97	0.00	21.89	0.00	23.03	0.42	5.34	10.62	0.32	100.56	20.32	49.73	29.03	0.92
AK-N13-2b-14m	pebble	Flatraket	38.81	0.00	21.94	0.00	23.21	0.47	4.92	10.89	0.42	100.61	18.74	50.41	29.84	1.01
AK-N13-2b-14r	pebble	Flatraket	38.92	0.00	21.71	0.00	22.56	0.45	5.31	10.96	0.21	100.11	20.27	48.69	30.06	0.98
AK-N13-2b-15c	pebble	Flatraket	38.90	0.06	21.44	0.00	23.83	0.43	5.53	9.72	0.45	100.32	20.98	51.58	26.52	0.92
AK-N13-2b-15m	pebble	Flatraket	38.71	0.05	21.84	0.00	23.73	0.50	5.68	9.34	0.44	100.25	21.68	51.62	25.62	1.08
AK-N13-2b-15r	pebble	Flatraket	38.90	0.00	21.98	0.00	23.53	0.46	5.51	9.55	0.00	99.93	21.33	51.10	26.56	1.01
AK-N13-2b-16c	pebble	Flatraket	38.68	0.00	21.43	0.00	23.65	0.45	5.25	9.98	0.86	100.22	19.90	51.93	27.20	0.97
AK-N13-2b-16m	pebble	Flatraket	38.64	0.00	21.86	0.00	24.41	0.44	5.65	8.79	0.51	100.26	21.60	53.31	24.14	0.95
AK-N13-2b-16r	pebble	Flatraket	38.76	0.04	21.70	0.04	24.56	0.63	5.42	8.88	0.00	100.02	20.88	53.14	24.60	1.37
AK-N13-2b-17c	pebble	Flatraket	38.96	0.07	21.97	0.00	23.91	0.44	5.51	9.72	0.00	100.58	21.06	51.28	26.70	0.96
AK-N13-2b-17m	pebble	Flatraket	38.82	0.05	21.82	0.00	23.87	0.42	5.69	9.39	0.31	100.33	21.69	51.66	25.75	0.90
AK-N13-2b-17r	pebble	Flatraket	38.73	0.04	21.92	0.00	23.73	0.46	5.81	9.03	0.00	99.72	22.45	51.45	25.08	1.02
AK-N13-2b-18c	pebble	Flatraket	38.59	0.05	21.70	0.00	23.43	0.49	5.58	9.61	0.49	99.90	21.34	51.19	26.40	1.07
AK-N13-2b-18m	pebble	Flatraket	38.71	0.08	21.65	0.00	24.83	0.60	5.54	8.62	0.50	100.48	21.11	54.01	23.59	1.29
AK-N13-2b-18r	pebble	Flatraket	38.86	0.00	21.87	0.00	23.97	0.44	5.57	9.10	0.00	99.80	21.57	52.11	25.35	0.98
AK-N13-2b-19c	pebble	Flatraket	39.04	0.05	21.55	0.00	24.74	0.45	6.07	8.37	0.23	100.46	23.05	53.14	22.84	0.97
AK-N13-2b-19m	pebble	Flatraket	38.79	0.00	21.93	0.00	22.74	0.44	5.27	10.79	0.27	100.19	20.14	49.28	29.64	0.95

AK-N13-2b-19r	pebble	Flatraket	38.98	0.05	21.88	0.00	24.86	0.56	5.35	8.70	0.00	100.38	20.69	53.90	24.17	1.24
AK-N13-2b-20c	pebble	Flatraket	39.16	0.00	22.03	0.00	22.95	0.42	5.36	10.74	0.00	100.66	20.48	49.15	29.47	0.90
AK-N13-2b-20m	pebble	Flatraket	38.86	0.00	21.98	0.00	24.54	0.43	5.74	8.52	0.00	100.08	22.19	53.20	23.67	0.95
AK-N13-2b-20r	pebble	Flatraket	38.79	0.04	22.00	0.00	24.34	0.44	5.64	9.04	0.12	100.40	21.60	52.54	24.89	0.97
AK-N13-2c-1c	pebble	Flatraket	38.18	0.00	21.22	0.00	24.89	1.53	1.28	13.21	0.61	100.86	4.95	55.07	36.62	3.36
AK-N13-2c-1m	pebble	Flatraket	38.07	0.07	21.25	0.00	23.07	1.32	1.12	14.97	1.14	100.90	4.28	51.69	41.16	2.88
AK-N13-2c-1r	pebble	Flatraket	38.07	0.08	21.19	0.00	22.01	4.17	1.07	13.61	0.19	100.37	4.17	48.48	38.12	9.24
AK-N13-2c-2c	pebble	Flatraket	37.86	0.08	21.19	0.00	24.95	0.90	1.12	13.64	0.43	100.12	4.38	55.42	38.21	2.00
AK-N13-2c-2m	pebble	Flatraket	38.00	0.10	21.19	0.00	24.39	2.32	1.20	13.00	0.48	100.64	4.66	54.01	36.22	5.12
AK-N13-2c-2r	pebble	Flatraket	37.80	0.06	21.29	0.00	24.66	1.45	1.13	13.35	0.83	100.49	4.40	55.25	37.17	3.19
AK-N13-2c-4c	pebble	Flatraket	38.26	0.07	21.50	0.00	24.90	0.85	1.21	13.98	0.06	100.83	4.70	54.41	39.03	1.87
AK-N13-2c-4m	pebble	Flatraket	37.86	0.07	21.25	0.00	24.75	4.73	1.23	10.61	0.63	101.07	4.79	55.17	29.61	10.44
AK-N13-2c-4r	pebble	Flatraket	37.78	0.07	21.07	0.00	21.47	3.70	1.04	14.17	0.18	99.47	4.07	47.66	40.00	8.26
AK-N13-2c-6c	pebble	Flatraket	38.31	0.06	21.34	0.00	23.94	0.99	0.86	15.13	0.63	101.20	3.29	52.79	41.76	2.15
AK-N13-2c-6m	pebble	Flatraket	38.01	0.08	21.04	0.00	24.05	1.45	1.06	14.13	0.84	100.59	4.10	53.60	39.12	3.18
AK-N13-2c-6r	pebble	Flatraket	38.17	0.06	21.30	0.00	24.18	2.23	1.10	13.50	0.00	100.54	4.28	52.93	37.86	4.94
AK-N13-2c-7c	pebble	Flatraket	38.16	0.06	21.55	0.00	24.53	0.78	1.38	13.98	0.57	100.94	5.31	54.22	38.77	1.70
AK-N13-2c-7m	pebble	Flatraket	37.98	0.08	21.30	0.00	24.01	1.65	1.34	13.59	0.99	100.84	5.17	53.70	37.54	3.59
AK-N13-2c-7r	pebble	Flatraket	38.01	0.06	21.27	0.00	24.11	0.97	1.31	14.11	0.09	99.91	5.12	53.06	39.67	2.15
AK-N13-2c-8c	pebble	Flatraket	38.14	0.06	21.25	0.00	25.07	0.86	1.34	13.53	0.58	100.78	5.18	55.41	37.53	1.88
AK-N13-2c-8m	pebble	Flatraket	37.98	0.07	21.41	0.00	24.59	1.71	1.26	13.20	0.78	100.93	4.87	54.77	36.62	3.74
AK-N13-2c-8r	pebble	Flatraket	38.02	0.08	21.26	0.00	24.64	0.77	1.39	13.77	0.05	99.98	5.43	54.17	38.70	1.71
AK-N13-2c-10c	pebble	Flatraket	38.10	0.08	21.20	0.00	24.16	1.13	1.08	14.36	0.76	100.79	4.15	53.65	39.72	2.48
AK-N13-2c-10m	pebble	Flatraket	38.15	0.07	21.17	0.00	24.11	1.36	1.06	14.29	0.73	100.88	4.09	53.45	39.49	2.96
AK-N13-2c-10r	pebble	Flatraket	37.94	0.06	21.08	0.00	21.37	6.62	0.91	12.26	0.00	100.24	3.58	47.05	34.59	14.78
AK-N13-2c-11c	pebble	Flatraket	38.27	0.09	21.34	0.00	24.97	0.83	1.29	13.84	0.15	100.76	5.00	54.60	38.58	1.83
AK-N13-2c-11m	pebble	Flatraket	38.04	0.09	21.29	0.00	25.56	0.89	1.32	13.07	0.24	100.49	5.16	56.30	36.57	1.97
AK-N13-2c-11r	pebble	Flatraket	37.78	0.10	21.10	0.00	25.20	0.91	1.35	13.06	0.28	99.76	5.29	55.92	36.76	2.03
AK-N13-2c-13c	pebble	Flatraket	38.17	0.09	21.37	0.00	25.53	0.87	1.36	13.18	0.22	100.77	5.28	56.02	36.78	1.92
AK-N13-2c-13m	pebble	Flatraket	38.03	0.08	21.28	0.00	25.21	0.88	1.36	13.28	0.52	100.59	5.26	55.81	36.99	1.93
AK-N13-2c-13r	pebble	Flatraket	38.04	0.07	21.30	0.00	24.63	2.34	1.27	12.69	0.00	100.34	4.99	54.09	35.71	5.21
AK-N13-2c-15c	pebble	Flatraket	37.82	0.10	21.02	0.00	22.72	4.68	1.09	12.42	0.57	100.36	4.23	50.70	34.73	10.34
AK-N13-2c-15m	pebble	Flatraket	37.91	0.09	20.54	0.00	21.85	4.89	1.04	13.07	1.34	100.59	3.98	49.46	35.93	10.63
AK-N13-2c-15r	pebble	Flatraket	38.42	0.08	21.55	0.00	23.82	1.89	1.02	14.13	0.00	100.92	3.99	52.17	39.65	4.20
AK-N13-2c-16c	pebble	Flatraket	38.16	0.05	21.33	0.00	23.81	1.07	0.85	15.04	0.73	100.97	3.28	52.80	41.59	2.33
AK-N13-2c-16m	pebble	Flatraket	38.24	0.07	21.33	0.00	23.73	1.07	0.77	15.30	0.30	100.78	2.99	52.10	42.56	2.35
AK-N13-2c-16r	pebble	Flatraket	37.65	0.09	21.20	0.00	23.58	1.44	1.06	14.18	0.83	99.95	4.13	53.06	39.62	3.19
AK-N13-2c-17c	pebble	Flatraket	37.97	0.08	20.97	0.00	24.73	1.58	1.13	13.37	0.90	100.64	4.34	55.18	37.02	3.46
AK-N13-2c-17m	pebble	Flatraket	37.84	0.09	20.73	0.00	24.29	1.25	1.07	13.95	1.34	100.43	4.12	54.77	38.40	2.72
AK-N13-2c-17r	pebble	Flatraket	38.44	0.09	21.54	0.00	24.34	1.44	1.07	14.04	0.00	100.95	4.19	53.26	39.36	3.18

AK-N13-2c-18c	pebble	Flatraket	37.75	0.09	20.41	0.00	22.37	4.67	1.08	12.63	1.72	100.55	4.14	51.15	34.60	10.12
AK-N13-2c-18m	pebble	Flatraket	37.59	0.09	20.74	0.00	20.98	7.07	0.92	11.91	1.45	100.60	3.53	48.09	32.92	15.45
AK-N13-2c-18r	pebble	Flatraket	37.77	0.11	20.30	0.00	20.57	7.13	0.88	12.41	1.15	100.21	3.38	46.66	34.34	15.61
AK-N13-2c-19c	pebble	Flatraket	38.20	0.07	21.15	0.00	23.61	3.99	1.18	12.48	0.74	101.34	4.52	52.30	34.47	8.71
AK-N13-2c-19m	pebble	Flatraket	37.96	0.05	21.26	0.00	23.49	3.62	1.25	12.52	0.85	100.92	4.83	52.51	34.72	7.93
AK-N13-2c-19r	pebble	Flatraket	37.94	0.08	21.17	0.00	23.62	2.19	1.08	13.80	0.29	100.15	4.20	52.25	38.69	4.86
AK-N13-2d_1c	pebble	Flatraket	38.50	0.00	21.06	0.06	27.80	1.48	5.05	6.04	0.36	100.31	19.42	60.65	16.69	3.23
AK-N13-2d_1m	pebble	Flatraket	38.46	0.00	21.13	0.00	28.00	0.89	5.62	5.52	0.65	100.21	21.51	61.38	15.18	1.93
AK-N13-2d_1r	pebble	Flatraket	38.33	0.04	21.73	0.00	25.48	0.55	4.74	8.79	0.00	99.65	18.46	55.71	24.61	1.21
AK-N13-2d_2c	pebble	Flatraket	38.28	0.00	21.30	0.04	26.79	1.46	5.26	6.34	1.02	100.39	20.10	59.34	17.38	3.18
AK-N13-2d_2m	pebble	Flatraket	38.29	0.00	21.15	0.00	27.29	1.13	5.59	5.78	0.62	99.77	21.50	60.07	15.97	2.46
AK-N13-2d_2r	pebble	Flatraket	38.95	0.05	21.02	0.04	24.69	0.67	4.97	9.41	0.00	99.80	19.15	53.33	26.04	1.47
AK-N13-2d_3c	pebble	Flatraket	38.80	0.00	21.25	0.00	25.35	1.22	6.13	6.93	0.61	100.23	23.28	55.17	18.91	2.64
AK-N13-2d_3m	pebble	Flatraket	38.52	0.00	21.17	0.00	25.51	1.28	5.90	6.81	0.39	99.54	22.67	55.73	18.80	2.80
AK-N13-2d_3r	pebble	Flatraket	38.49	0.05	21.21	0.00	26.33	1.05	5.80	6.51	0.93	100.28	22.03	57.91	17.79	2.27
AK-N13-2d_4c	pebble	Flatraket	38.45	0.00	21.33	0.00	25.51	1.18	6.23	6.37	0.69	99.69	23.84	56.09	17.50	2.58
AK-N13-2d_4m	pebble	Flatraket	38.57	0.00	21.14	0.00	25.33	1.24	6.13	6.71	0.62	99.68	23.41	55.47	18.43	2.69
AK-N13-2d_4r	pebble	Flatraket	38.25	0.00	21.16	0.00	26.01	1.31	6.42	5.43	0.69	99.20	24.68	57.45	15.02	2.85
AK-N13-2d_5c	pebble	Flatraket	38.54	0.00	21.41	0.00	25.46	1.32	6.07	6.61	0.79	100.12	23.13	55.93	18.08	2.86
AK-N13-2d_5m	pebble	Flatraket	38.61	0.00	21.32	0.00	26.54	1.29	6.10	5.83	0.47	100.11	23.32	57.87	16.02	2.79
AK-N13-2d_5r	pebble	Flatraket	38.39	0.00	21.13	0.00	26.89	1.25	6.15	5.30	0.35	99.42	23.71	58.86	14.69	2.74
AK-N13-2d_6c	pebble	Flatraket	38.30	0.00	21.32	0.00	26.25	1.48	5.93	5.83	1.24	100.22	22.55	58.33	15.93	3.19
AK-N13-2d_6m	pebble	Flatraket	38.21	0.00	21.23	0.00	25.97	1.36	5.62	6.50	1.04	99.83	21.47	57.70	17.87	2.96
AK-N13-2d_6r	pebble	Flatraket	38.39	0.00	21.10	0.00	27.09	1.39	5.66	5.71	0.26	99.58	21.88	59.21	15.86	3.05
AK-N13-2d_7c	pebble	Flatraket	38.26	0.00	21.40	0.00	26.97	1.29	5.86	5.47	0.77	99.96	22.51	59.58	15.10	2.82
AK-N13-2d_7m	pebble	Flatraket	38.26	0.00	21.21	0.00	27.06	1.12	5.94	5.43	0.60	99.57	22.88	59.63	15.04	2.46
AK-N13-2d_7r	pebble	Flatraket	38.66	0.00	21.25	0.00	26.21	1.17	5.35	7.27	0.22	100.10	20.52	56.88	20.05	2.55
AK-N13-2d_8c	pebble	Flatraket	38.50	0.00	21.41	0.00	25.98	1.38	6.06	6.14	0.74	100.13	23.12	57.04	16.85	2.99
AK-N13-2d_8m	pebble	Flatraket	38.63	0.00	21.44	0.00	26.35	1.38	6.11	5.91	0.89	100.61	23.16	57.77	16.10	2.97
AK-N13-2d_8r	pebble	Flatraket	38.56	0.00	21.43	0.00	27.27	1.30	6.00	5.33	0.53	100.36	22.94	59.56	14.66	2.84
AK-N13-2d_9c	pebble	Flatraket	38.36	0.00	21.22	0.00	26.57	1.42	5.70	6.01	0.69	99.92	21.86	58.49	16.55	3.09
AK-N13-2d_9m	pebble	Flatraket	38.40	0.00	21.51	0.00	26.79	1.50	5.72	5.79	0.94	100.56	21.80	59.08	15.87	3.25
AK-N13-2d_9r	pebble	Flatraket	38.56	0.00	21.32	0.00	27.15	1.28	5.66	5.88	0.00	99.84	21.89	58.95	16.36	2.81
AK-N13-2d_10c	pebble	Flatraket	38.50	0.00	21.31	0.00	26.50	1.57	6.02	5.63	0.31	99.82	23.15	57.82	15.58	3.44
AK-N13-2d_10m	pebble	Flatraket	38.49	0.00	21.23	0.00	26.99	1.23	5.76	5.87	0.11	99.67	22.26	58.72	16.31	2.71
AK-N13-2d_10r	pebble	Flatraket	38.74	0.00	21.36	0.00	26.27	1.04	5.85	6.69	0.16	100.09	22.43	56.85	18.46	2.26
AK-N13-2d_11c	pebble	Flatraket	38.56	0.04	21.38	0.04	25.18	1.31	5.77	7.30	0.90	100.40	21.91	55.35	19.91	2.83
AK-N13-2d_11m	pebble	Flatraket	38.45	0.00	21.21	0.00	25.81	1.45	5.51	6.93	0.92	100.19	20.98	56.91	18.98	3.13
AK-N13-2d_11r	pebble	Flatraket	38.46	0.00	21.16	0.05	26.26	0.77	5.64	6.95	0.45	99.69	21.67	57.47	19.19	1.68
AK-N13-2d_12c	pebble	Flatraket	38.61	0.00	21.45	0.00	25.68	1.46	5.97	6.53	0.69	100.31	22.75	56.21	17.89	3.16

AK-N13-2d_12m	pebble	Flatraket	38.56	0.00	21.30	0.00	25.69	1.27	5.73	6.96	1.03	100.44	21.70	56.59	18.97	2.73
AK-N13-2d_12r	pebble	Flatraket	38.09	0.07	21.21	0.06	28.15	1.75	4.52	5.90	0.00	99.75	17.69	61.82	16.59	3.89
AK-N13-2d_13c	pebble	Flatraket	38.17	0.00	21.17	0.00	26.05	1.56	5.71	6.12	0.79	99.50	21.95	57.73	16.90	3.41
AK-N13-2d_13m	pebble	Flatraket	38.37	0.05	21.20	0.00	26.02	1.55	5.61	6.49	0.93	100.13	21.40	57.45	17.79	3.35
AK-N13-2d_13r	pebble	Flatraket	38.68	0.00	21.41	0.00	26.69	1.36	5.97	5.75	0.00	99.87	23.11	57.92	15.98	2.98
AK-N13-2d_14c	pebble	Flatraket	38.60	0.00	21.18	0.04	25.92	1.47	6.02	6.25	0.80	100.20	22.89	56.83	17.10	3.18
AK-N13-2d_14m	pebble	Flatraket	38.43	0.00	21.18	0.00	25.11	1.37	5.95	6.91	1.15	99.98	22.56	55.65	18.84	2.96
AK-N13-2d_14r	pebble	Flatraket	38.56	0.04	21.31	0.00	25.65	1.28	5.89	6.75	0.00	99.49	22.78	55.64	18.77	2.81
AK-N13-2d_15c	pebble	Flatraket	38.54	0.07	21.42	0.00	26.10	1.31	6.22	5.95	0.49	100.03	23.81	56.97	16.37	2.85
AK-N13-2d_15m	pebble	Flatraket	38.34	0.00	21.38	0.05	26.41	1.37	5.72	6.13	0.92	100.23	21.83	58.36	16.83	2.98
AK-N13-2d_15r	pebble	Flatraket	38.70	0.00	21.63	0.00	23.87	0.63	4.47	10.76	0.24	100.27	17.15	51.81	29.66	1.38
AK-N13-2d_16c	pebble	Flatraket	38.62	0.00	21.47	0.00	24.94	1.29	6.09	7.09	0.96	100.36	23.07	54.84	19.31	2.77
AK-N13-2d_16m	pebble	Flatraket	38.40	0.00	21.35	0.00	24.86	1.31	6.00	7.05	0.92	99.79	22.87	54.95	19.34	2.84
AK-N13-2d_16r	pebble	Flatraket	38.62	0.00	21.17	0.00	26.18	1.34	6.13	6.02	0.01	99.48	23.66	56.71	16.69	2.94
AK-N13-2d_17c	pebble	Flatraket	38.38	0.00	21.36	0.00	25.79	1.46	5.91	6.32	0.88	100.00	22.56	56.94	17.34	3.16
AK-N13-2d_17m	pebble	Flatraket	38.41	0.00	21.28	0.00	26.76	1.28	5.89	5.76	1.15	100.41	22.35	59.18	15.71	2.77
AK-N13-2d_17r	pebble	Flatraket	38.30	0.04	21.02	0.00	26.35	0.92	5.24	7.20	0.75	99.75	20.07	58.09	19.83	2.01
AK-N13-2d_18c	pebble	Flatraket	38.36	0.00	21.18	0.07	26.95	1.20	5.41	6.30	0.49	99.90	20.82	59.14	17.43	2.62
AK-N13-2d_18m	pebble	Flatraket	38.32	0.00	21.32	0.06	27.02	1.10	5.59	6.03	0.81	100.16	21.42	59.61	16.58	2.39
AK-N13-2d_18r	pebble	Flatraket	38.53	0.00	21.22	0.00	27.93	1.09	5.76	5.22	0.00	99.76	22.34	60.72	14.53	2.41
AK-N13-2d_19c	pebble	Flatraket	38.04	0.00	21.06	0.00	28.50	1.02	4.41	6.31	1.03	100.27	16.92	63.41	17.43	2.23
AK-N13-2d_19m	pebble	Flatraket	38.23	0.00	21.02	0.04	27.01	1.25	5.44	6.04	0.78	99.73	20.88	59.70	16.68	2.73
AK-N13-2d_19r	pebble	Flatraket	38.62	0.00	21.51	0.00	22.76	0.65	3.67	12.66	0.18	100.03	14.12	49.46	34.99	1.43
AK-N13-2d_20c	pebble	Flatraket	38.74	0.04	21.40	0.05	25.76	1.20	6.09	6.66	0.78	100.65	23.06	56.23	18.13	2.58
AK-N13-2d_20m	pebble	Flatraket	38.69	0.04	21.08	0.06	26.74	1.11	5.79	6.35	0.70	100.48	21.97	58.31	17.33	2.39
AK-N13-2d_20r	pebble	Flatraket	38.48	0.00	21.28	0.06	26.90	1.00	4.99	7.18	0.46	100.31	19.17	58.83	19.82	2.18
AK-N12_1c	UHP_eclogite	Flatraket	40.34	0.07	22.89	0.07	15.15	0.30	11.56	9.47	0.00	99.85	42.77	31.44	25.17	0.62
AK-N12_1m	UHP_eclogite	Flatraket	40.37	0.00	22.82	0.06	15.73	0.27	11.57	9.00	0.00	99.82	42.82	32.66	23.94	0.57
AK-N12_1r	UHP_eclogite	Flatraket	40.57	0.00	22.68	0.05	14.94	0.27	11.12	10.21	0.00	99.84	41.21	31.04	27.18	0.57
AK-N12_2c	UHP_eclogite	Flatraket	40.50	0.05	22.98	0.05	15.29	0.25	11.90	9.15	0.09	100.25	43.67	31.67	24.13	0.53
AK-N12_2m	UHP_eclogite	Flatraket	40.39	0.00	22.87	0.04	14.99	0.27	11.74	9.45	0.21	99.93	43.16	31.30	24.98	0.56
AK-N12_2r	UHP_eclogite	Flatraket	40.31	0.00	22.66	0.00	16.10	0.32	10.35	9.97	0.00	99.72	38.73	33.79	26.79	0.69
AK-N12_3c	UHP_eclogite	Flatraket	40.50	0.00	22.82	0.06	15.46	0.30	11.96	8.82	0.00	99.92	44.05	31.96	23.35	0.63
AK-N12_3m	UHP_eclogite	Flatraket	40.22	0.00	22.70	0.05	14.87	0.26	11.17	10.18	0.08	99.52	41.36	31.02	27.08	0.54
AK-N12_3r	UHP_eclogite	Flatraket	40.38	0.00	22.88	0.05	14.93	0.24	11.24	10.01	0.00	99.74	41.70	31.08	26.70	0.51
AK-N12_4c	UHP_eclogite	Flatraket	40.49	0.00	22.90	0.00	15.58	0.29	11.47	9.36	0.00	100.09	42.32	32.26	24.82	0.61
AK-N12_4m	UHP_eclogite	Flatraket	40.48	0.00	22.73	0.00	15.16	0.30	11.38	9.69	0.00	99.75	42.12	31.47	25.77	0.64
AK-N12_4r	UHP_eclogite	Flatraket	40.44	0.00	22.75	0.00	15.37	0.30	12.10	8.68	0.17	99.79	44.45	32.01	22.93	0.62
AK-N12_5c	UHP_eclogite	Flatraket	40.34	0.00	22.66	0.11	15.17	0.32	11.36	9.76	0.09	99.79	41.91	31.56	25.87	0.66
AK-N12_5m	UHP_eclogite	Flatraket	40.18	0.00	22.86	0.00	16.05	0.30	10.93	9.53	0.02	99.86	40.54	33.44	25.39	0.63

AK-N8-2_3c	pebble	Ulvesund	39.92	0.00	22.29	0.09	18.00	0.42	10.11	8.72	0.00	99.54	14.17	61.19	22.67	1.97
AK-N8-2_3m	pebble	Ulvesund	39.81	0.00	22.30	0.07	17.95	0.43	10.36	8.40	0.38	99.66	14.77	60.63	23.24	1.36
AK-N8-2_3r	pebble	Ulvesund	40.08	0.00	22.37	0.00	18.18	0.46	9.49	9.17	0.00	99.75	14.27	65.49	18.14	2.10
AK-N8-2_4c	pebble	Ulvesund	39.95	0.00	22.48	0.00	18.28	0.41	10.40	8.00	0.00	99.53	14.06	62.63	21.84	1.47
AK-N8-2_4m	pebble	Ulvesund	40.15	0.00	22.57	0.00	17.98	0.41	10.14	8.66	0.00	99.91	13.91	62.92	22.37	0.80
AK-N8-2_4r	pebble	Ulvesund	39.95	0.00	22.55	0.00	18.23	0.46	9.89	8.71	0.00	99.79	14.16	60.23	24.42	1.18
AK-N8-2_5c	pebble	Ulvesund	39.77	0.00	22.61	0.04	18.16	0.44	9.89	8.84	0.49	100.20	14.14	62.24	22.19	1.43
AK-N8-2_5m	pebble	Ulvesund	39.41	0.00	22.36	0.00	17.69	0.40	9.45	9.50	0.73	99.47	14.23	61.59	22.71	1.47
AK-N8-2_5r	pebble	Ulvesund	39.52	0.00	22.12	0.00	18.00	0.48	9.23	9.57	0.00	98.91	13.87	61.85	22.11	2.16
AK-N8-2_6c	pebble	Ulvesund	39.95	0.00	22.65	0.00	18.52	0.43	10.42	7.92	0.00	99.90	38.97	38.84	21.28	0.92
AK-N8-2_6m	pebble	Ulvesund	39.82	0.00	22.38	0.00	17.99	0.45	9.78	9.16	0.29	99.84	36.42	38.12	24.52	0.94
AK-N8-2_6r	pebble	Ulvesund	39.64	0.00	22.22	0.00	18.49	0.48	9.13	9.26	0.00	99.21	34.54	39.25	25.19	1.02
AK-N8-2_7c	pebble	Ulvesund	39.97	0.00	22.50	0.06	17.91	0.44	10.08	8.88	0.00	99.85	37.66	37.55	23.85	0.94
AK-N8-2_7m	pebble	Ulvesund	39.84	0.00	22.33	0.00	17.99	0.45	9.47	9.62	0.14	99.82	35.33	37.92	25.80	0.94
AK-N8-2_7r	pebble	Ulvesund	39.67	0.04	22.43	0.04	18.96	0.48	8.82	9.46	0.00	99.91	33.26	40.10	25.62	1.02
AK-N8-2_8c	pebble	Ulvesund	39.77	0.00	22.31	0.08	18.02	0.41	9.73	9.07	0.00	99.39	36.59	38.01	24.52	0.88
AK-N8-2_8m	pebble	Ulvesund	39.87	0.00	22.31	0.05	18.31	0.44	9.51	9.24	0.00	99.74	35.66	38.51	24.89	0.94
AK-N8-2_8r	pebble	Ulvesund	39.89	0.00	22.70	0.00	17.79	0.42	9.58	9.29	0.00	99.67	36.18	37.68	25.22	0.91
AK-N8-2_9c	pebble	Ulvesund	39.86	0.00	22.14	0.00	17.87	0.44	9.53	9.41	0.00	99.25	35.87	37.74	25.47	0.93
AK-N8-2_9m	pebble	Ulvesund	39.60	0.00	22.41	0.00	17.99	0.45	9.34	9.56	0.34	99.66	34.95	38.40	25.70	0.95
AK-N8-2_10c	pebble	Ulvesund	39.76	0.00	22.44	0.00	18.28	0.43	9.42	9.37	0.00	99.70	35.34	38.48	25.27	0.92
AK-N8-2_10m	pebble	Ulvesund	39.68	0.00	22.19	0.00	17.99	0.42	9.51	9.43	0.33	99.52	35.50	38.30	25.31	0.89
AK-N8-2_10r	pebble	Ulvesund	39.29	0.00	22.09	0.00	20.33	0.55	8.46	8.19	0.00	98.91	32.45	43.76	22.58	1.21
AK-N8-2_11c	pebble	Ulvesund	39.84	0.00	22.15	0.04	18.10	0.40	9.66	8.90	0.00	99.09	36.55	38.40	24.19	0.86
AK-N8-2_11m	pebble	Ulvesund	39.43	0.04	22.33	0.00	18.19	0.47	9.16	9.51	0.27	99.38	34.44	38.87	25.68	1.01
AK-N8-2_11r	pebble	Ulvesund	39.82	0.00	22.27	0.05	18.66	0.45	9.15	9.21	0.00	99.60	34.53	39.52	24.98	0.97
AK-N8-2_12c	pebble	Ulvesund	39.96	0.00	22.37	0.00	18.25	0.42	9.84	8.70	0.00	99.53	37.02	38.54	23.53	0.90
AK-N8-2_12m	pebble	Ulvesund	39.72	0.00	22.30	0.00	17.98	0.43	10.03	8.73	0.31	99.47	37.44	38.23	23.42	0.90
AK-N8-2_12r	pebble	Ulvesund	39.69	0.00	22.40	0.00	18.16	0.44	9.62	8.63	0.00	98.95	36.62	38.79	23.62	0.96
AK-N8-2_13c	pebble	Ulvesund	39.91	0.00	22.48	0.00	18.54	0.45	10.52	7.68	0.00	99.59	39.40	38.96	20.68	0.96
AK-N8-2_13m	pebble	Ulvesund	39.69	0.00	22.45	0.00	18.68	0.43	9.59	8.66	0.00	99.49	36.14	39.50	23.44	0.92
AK-N8-2_13r	pebble	Ulvesund	39.68	0.00	22.25	0.00	18.86	0.49	9.34	8.74	0.00	99.34	35.27	39.97	23.72	1.04
AK-N8-2_14c	pebble	Ulvesund	39.81	0.00	22.43	0.07	18.50	0.46	10.57	7.65	0.53	99.96	39.17	39.48	20.39	0.96
AK-N8-2_14m	pebble	Ulvesund	39.68	0.00	21.98	0.09	18.99	0.52	9.04	8.90	0.00	99.20	34.27	40.37	24.25	1.12
AK-N8-2_14r	pebble	Ulvesund	39.31	0.00	22.30	0.00	19.89	0.53	8.35	8.73	0.00	99.11	32.01	42.79	24.05	1.15
AK-N8-2_15c	pebble	Ulvesund	39.64	0.00	22.37	0.00	18.30	0.46	9.22	9.34	0.00	99.33	34.85	38.80	25.37	0.99
AK-N8-2_15m	pebble	Ulvesund	39.63	0.00	22.21	0.05	18.69	0.47	9.18	9.25	0.28	99.73	34.35	39.76	24.88	1.01
AK-N8-2_15r	pebble	Ulvesund	39.54	0.00	22.18	0.05	19.33	0.51	8.87	8.90	0.00	99.39	33.60	41.08	24.23	1.10
AK-N8-2_16c	pebble	Ulvesund	39.77	0.00	22.29	0.00	18.55	0.44	9.52	8.94	0.00	99.51	35.78	39.12	24.16	0.93
AK-N8-2_16m	pebble	Ulvesund	39.64	0.00	22.30	0.04	19.01	0.48	8.95	9.33	0.05	99.80	33.63	40.15	25.19	1.03

AK-N8-2_16r	pebble	Ulvesund	40.09	0.00	22.26	0.04	18.16	0.43	9.56	9.33	0.00	99.86	35.80	38.17	25.13	0.91
AK-N8-2_17c	pebble	Ulvesund	39.67	0.00	22.25	0.00	18.33	0.42	9.43	9.27	0.29	99.64	35.24	38.97	24.89	0.90
AK-N8-2_17m	pebble	Ulvesund	39.69	0.05	22.21	0.00	18.49	0.49	9.40	9.18	0.11	99.60	35.21	39.04	24.70	1.04
AK-N8-2_17r	pebble	Ulvesund	39.47	0.07	22.10	0.04	18.70	0.48	8.95	9.46	0.13	99.38	33.68	39.71	25.58	1.04
AK-N8-2_18c	pebble	Ulvesund	39.74	0.00	22.29	0.00	18.28	0.43	9.59	9.03	0.00	99.36	36.09	38.58	24.42	0.91
AK-N8-2_18m	pebble	Ulvesund	39.99	0.00	22.16	0.00	18.64	0.46	9.45	9.12	0.00	99.84	35.37	39.12	24.52	0.99
AK-N8-2_19c	pebble	Ulvesund	39.90	0.04	22.36	0.00	18.25	0.43	10.62	7.91	0.37	99.85	39.36	38.65	21.07	0.92
AK-N8-2_19m	pebble	Ulvesund	39.60	0.00	22.20	0.04	18.22	0.45	9.83	8.71	0.18	99.22	36.86	38.69	23.48	0.96
AK-N8-2_19r	pebble	Ulvesund	39.88	0.00	22.34	0.00	19.18	0.45	9.59	8.12	0.00	99.55	36.27	40.70	22.06	0.97
AK-N8-2_20c	pebble	Ulvesund	39.98	0.00	22.48	0.00	18.02	0.42	9.94	8.92	0.00	99.77	37.23	37.85	24.01	0.90
AK-N8-2_20m	pebble	Ulvesund	39.90	0.00	22.40	0.00	18.40	0.41	10.56	7.76	0.00	99.44	39.56	38.66	20.89	0.88
AK-N8-2_20r	pebble	Ulvesund	39.33	0.00	22.28	0.00	17.60	0.46	9.00	10.09	0.27	99.01	33.92	37.75	27.34	0.99
AK-N9-1_1_c	granulite	Ulvesund	39.21	0.00	21.66	0.00	23.54	0.95	6.86	7.92	1.02	101.06	25.59	51.16	21.23	2.02
AK-N9-1_1_z	granulite	Ulvesund	38.56	0.07	21.36	0.00	23.45	0.95	6.53	7.89	1.91	100.53	24.32	52.56	21.10	2.01
AK-N9-1_1_r	granulite	Ulvesund	38.00	0.00	21.67	0.00	21.28	0.52	5.65	10.58	1.56	99.10	21.52	48.42	28.95	1.12
AK-N9-1_2_c	granulite	Ulvesund	38.40	0.00	21.35	0.00	22.47	0.92	6.74	8.19	1.69	99.59	25.32	50.58	22.13	1.97
AK-N9-1_2_z	granulite	Ulvesund	38.89	0.07	21.68	0.00	24.37	0.87	6.25	7.94	0.89	100.87	23.52	53.14	21.47	1.87
AK-N9-1_2_r	granulite	Ulvesund	38.83	0.06	21.51	0.00	21.85	0.60	5.68	10.85	1.23	100.49	21.27	48.25	29.20	1.28
AK-N9-1_3_c	granulite	Ulvesund	38.47	0.05	21.38	0.00	24.46	0.96	6.50	7.04	1.52	100.23	24.42	54.49	19.03	2.06
AK-N9-1_3_z	granulite	Ulvesund	39.03	0.04	21.63	0.00	24.90	0.83	6.15	7.80	0.92	101.21	23.08	54.12	21.03	1.77
AK-N9-1_3_r	granulite	Ulvesund	39.44	0.05	21.72	0.00	22.37	0.53	5.25	11.66	0.27	101.26	19.72	47.66	31.49	1.13
AK-N9-1_4_c	granulite	Ulvesund	39.86	0.00	21.83	0.00	23.78	0.96	7.05	8.08	0.18	101.71	26.27	50.05	21.64	2.04
AK-N9-1_4_z	granulite	Ulvesund	39.56	0.04	21.73	0.00	24.92	0.91	6.81	7.32	0.47	101.71	25.40	53.04	19.63	1.93
AK-N9-1_4_r	granulite	Ulvesund	39.26	0.00	21.60	0.00	23.58	0.66	6.51	8.66	0.70	100.89	24.41	50.88	23.31	1.40
AK-N9-1_5_c	granulite	Ulvesund	39.55	0.04	21.90	0.00	24.90	0.91	6.82	7.29	0.86	102.19	25.28	53.37	19.43	1.92
AK-N9-1_5_z	granulite	Ulvesund	38.92	0.00	21.54	0.00	24.53	0.78	6.79	7.11	1.15	100.71	25.45	53.73	19.16	1.67
AK-N9-1_5_r	granulite	Ulvesund	39.26	0.00	21.93	0.00	24.13	0.65	6.74	7.91	0.68	101.23	25.28	52.02	21.32	1.38
AK-N9-1_6_c	granulite	Ulvesund	38.87	0.05	21.44	0.00	24.61	0.53	7.00	6.94	1.35	100.67	26.13	54.10	18.64	1.13
AK-N9-1_6_r	granulite	Ulvesund	39.10	0.07	21.63	0.00	23.94	0.54	6.66	8.17	0.84	100.86	24.94	51.91	22.00	1.14
AK-N9-1_7_c	granulite	Ulvesund	39.28	0.00	21.49	0.00	20.51	0.40	5.20	13.10	0.64	100.57	19.51	44.36	35.30	0.84
AK-N9-1_7_r	granulite	Ulvesund	38.28	0.06	21.31	0.00	23.72	0.90	6.22	7.90	1.27	99.53	23.61	52.92	21.53	1.93
AK-N9-1_8	granulite	Ulvesund	39.33	0.06	21.41	0.00	24.55	0.93	6.51	7.79	0.82	101.31	24.28	52.88	20.88	1.96
AK-N9-1_9_c	granulite	Ulvesund	39.06	0.09	21.59	0.00	22.93	0.98	7.12	7.94	1.60	101.15	26.32	50.52	21.10	2.06
AK-N9-1_9_z	granulite	Ulvesund	38.49	0.04	21.26	0.00	23.89	0.96	6.44	7.60	1.78	100.27	24.07	53.48	20.43	2.03
AK-N9-1_9_r	granulite	Ulvesund	38.86	0.00	21.49	0.00	24.25	0.72	6.80	7.31	1.46	100.74	25.38	53.50	19.60	1.53
AK-N9-1_10_c	granulite	Ulvesund	39.11	0.00	21.44	0.00	24.21	0.93	6.71	7.53	1.05	100.88	25.08	52.72	20.22	1.97
AK-N9-1_10_r	granulite	Ulvesund	39.19	0.00	21.79	0.00	22.94	0.58	6.32	9.42	1.03	101.18	23.59	49.93	25.25	1.23
AK-N9-1_11_c	granulite	Ulvesund	38.90	0.00	21.62	0.00	23.60	0.97	6.83	7.63	1.57	100.95	25.40	52.17	20.39	2.04
AK-N9-1_11_z	granulite	Ulvesund	38.99	0.00	21.45	0.00	24.65	0.93	6.31	7.63	0.73	100.61	23.80	53.54	20.67	1.99
AK-N9-1_11_r	granulite	Ulvesund	39.23	0.00	21.61	0.00	21.03	0.53	5.29	12.42	1.31	101.28	19.61	46.20	33.08	1.11

AK-N9-1_12_c	granulite	Ulvesund	38.99	0.05	21.32	0.00	24.24	0.91	6.77	7.36	1.42	100.92	25.18	53.22	19.68	1.92
AK-N9-1_12_z	granulite	Ulvesund	40.30	0.00	21.24	0.00	23.58	0.75	6.48	8.27	0.00	100.62	24.84	50.73	22.80	1.63
AK-N9-1_12_r	granulite	Ulvesund	39.50	0.00	21.96	0.00	23.41	0.61	6.48	9.10	0.31	101.33	24.32	49.84	24.55	1.29
AK-N9-1_13_c	granulite	Ulvesund	38.93	0.00	21.59	0.00	23.70	0.91	6.93	7.47	1.47	100.85	25.81	52.27	19.99	1.93
AK-N9-1_13_r	granulite	Ulvesund	38.85	0.00	21.31	0.00	24.18	0.64	6.67	7.60	1.37	100.49	24.94	53.29	20.42	1.35
AK-N9-1_13_r	granulite	Ulvesund	38.68	0.05	21.30	0.00	24.11	0.57	6.84	7.35	1.65	100.39	25.53	53.56	19.70	1.20
AK-N9-1_14_c	granulite	Ulvesund	39.04	0.05	21.67	0.00	22.09	0.86	7.35	8.32	1.34	100.59	27.35	48.60	22.24	1.81
AK-N9-1_14_z	granulite	Ulvesund	39.84	0.08	21.61	0.00	22.78	0.91	7.41	8.43	0.76	101.75	27.30	48.47	22.32	1.91
AK-N9-1_14_r	granulite	Ulvesund	38.99	0.06	21.46	0.00	24.42	1.10	6.04	8.10	1.01	101.07	22.62	53.24	21.81	2.34
AK-N9-1_15_c	granulite	Ulvesund	39.29	0.05	21.55	0.00	23.14	0.93	7.07	8.06	1.11	101.10	26.26	50.26	21.51	1.97
AK-N9-1_15_z	granulite	Ulvesund	39.23	0.08	21.74	0.00	24.23	0.77	6.50	8.11	1.05	101.62	24.18	52.52	21.68	1.63
AK-N9-1_15_r	granulite	Ulvesund	39.13	0.07	21.46	0.00	24.89	0.53	6.78	7.29	1.35	101.38	25.15	54.31	19.43	1.11
AK-N9-1_16_z	granulite	Ulvesund	39.24	0.04	21.47	0.00	23.96	0.92	6.95	7.54	1.45	101.43	25.68	52.36	20.02	1.93
AK-N9-1_16_r	granulite	Ulvesund	39.03	0.00	21.34	0.00	24.07	0.74	6.80	7.61	1.43	100.87	25.26	52.86	20.32	1.56
AK-N9-1_17_c	granulite	Ulvesund	39.35	0.00	21.64	0.00	23.91	0.82	5.41	9.89	0.34	101.32	20.36	51.14	26.75	1.75
AK-N9-1_17_z	granulite	Ulvesund	39.71	0.04	21.52	0.00	25.11	0.93	6.89	7.17	0.18	101.55	25.77	52.99	19.26	1.98
AK-N9-1_17_r	granulite	Ulvesund	39.33	0.00	21.84	0.00	20.92	0.44	3.64	14.96	0.20	101.31	13.76	44.70	40.60	0.94
AK-N9-1_18_c	granulite	Ulvesund	39.09	0.00	21.61	0.00	22.52	0.96	7.11	8.25	1.60	101.00	26.31	49.74	21.94	2.01
AK-N9-1_18_z	granulite	Ulvesund	39.50	0.05	21.55	0.00	23.26	0.97	6.74	8.60	1.33	101.86	24.78	50.46	22.73	2.03
AK-N9-1_18_r	granulite	Ulvesund	39.54	0.05	21.58	0.00	24.01	0.95	7.00	7.71	1.03	101.77	25.86	51.69	20.46	1.99
AK-N9-1_19_c	granulite	Ulvesund	39.76	0.08	21.76	0.00	23.20	0.85	7.19	8.37	0.65	101.80	26.60	49.35	22.26	1.79
AK-N9-1_19_z	granulite	Ulvesund	39.57	0.04	21.74	0.00	22.74	0.89	6.94	8.85	0.74	101.44	25.76	48.75	23.61	1.87
AK-N9-1_19_r	granulite	Ulvesund	39.37	0.08	21.65	0.00	23.59	0.66	7.06	8.04	0.95	101.30	26.22	50.93	21.46	1.38
AK-N9-1_20_c	granulite	Ulvesund	39.32	0.07	21.72	0.00	23.15	0.87	6.84	8.47	1.05	101.40	25.38	50.18	22.60	1.84
AK-N9-1_20_r	granulite	Ulvesund	39.22	0.06	21.69	0.00	24.48	0.92	6.72	7.46	1.00	101.45	25.03	53.04	19.98	1.94
AK-N9-1_21_c	granulite	Ulvesund	38.54	0.08	21.26	0.00	23.60	0.93	6.31	8.08	1.77	100.41	23.56	52.77	21.69	1.98
AK-N9-1_21_r	granulite	Ulvesund	38.65	0.00	21.85	0.00	22.02	0.58	5.95	10.15	1.79	100.81	22.19	49.40	27.19	1.23
AK-N9-1_22_c	granulite	Ulvesund	38.89	0.08	21.40	0.00	21.97	0.91	6.98	8.77	2.19	100.97	25.64	49.32	23.14	1.90
AK-N9-1_22_r	granulite	Ulvesund	38.72	0.00	21.19	0.00	22.87	0.76	6.28	8.95	1.51	100.13	23.47	50.84	24.07	1.62
AK-N9-1_23_c	granulite	Ulvesund	38.69	0.00	21.56	0.00	22.67	0.88	6.72	8.37	1.94	100.64	24.93	50.86	22.35	1.86
AK-N9-1_23_r	granulite	Ulvesund	38.80	0.05	21.32	0.00	23.40	0.95	6.14	8.68	1.59	100.77	22.88	51.87	23.24	2.02
AK-N9-1_24_c	granulite	Ulvesund	39.21	0.07	21.64	0.00	21.83	0.88	7.43	8.57	2.05	101.46	27.16	48.52	22.49	1.82
AK-N9-1_24_z	granulite	Ulvesund	38.77	0.08	21.67	0.00	22.25	0.91	7.09	8.29	1.94	100.80	26.23	49.81	22.05	1.91
AK-N9-1_24_r	granulite	Ulvesund	38.70	0.05	21.43	0.05	24.24	1.10	6.06	7.93	1.63	101.04	22.62	53.79	21.27	2.32
AK-N9-1_25_c	granulite	Ulvesund	39.37	0.05	21.62	0.00	23.64	0.93	7.17	7.63	1.32	101.59	26.44	51.38	20.23	1.95
AK-N9-1_25_z	granulite	Ulvesund	38.98	0.00	21.43	0.00	23.28	0.94	6.91	7.86	1.68	100.91	25.58	51.52	20.92	1.98
AK-N9-1_25_r	granulite	Ulvesund	39.30	0.00	21.60	0.00	24.23	0.56	6.66	8.07	1.03	101.35	24.75	52.49	21.56	1.19
AK-N9-1_26_c	granulite	Ulvesund	39.23	0.00	21.61	0.00	22.50	0.82	5.47	10.79	0.83	101.16	20.46	48.79	29.02	1.74
AK-N9-1_26_r	granulite	Ulvesund	39.05	0.00	21.48	0.00	23.33	0.77	6.67	8.35	1.40	100.90	24.78	51.28	22.31	1.63
AK-N9-1_27_c	granulite	Ulvesund	39.47	0.00	21.56	0.00	24.60	0.96	6.75	7.49	0.81	101.56	25.11	52.84	20.02	2.02

AK-N9-1_27_r	granulite	Ulvesund	39.32	0.00	21.76	0.00	23.28	0.55	6.52	9.02	1.19	101.53	24.16	50.63	24.04	1.17
AK-N9-1_28	granulite	Ulvesund	39.25	0.00	21.38	0.00	24.84	0.83	6.09	8.12	0.84	101.27	22.76	53.67	21.81	1.76
AK-N9-1_29_c	granulite	Ulvesund	39.54	0.00	21.85	0.00	22.97	0.89	7.12	8.37	0.91	101.56	26.37	49.47	22.28	1.88
AK-N9-1_29_z	granulite	Ulvesund	39.96	0.04	21.85	0.00	22.99	0.88	7.34	8.48	0.38	101.87	27.16	48.45	22.55	1.84
AK-N9-1_29_r	granulite	Ulvesund	39.90	0.00	21.72	0.00	24.64	0.80	6.92	7.74	0.31	102.01	25.71	51.93	20.67	1.69
AK-N9-1_30_c	granulite	Ulvesund	39.79	0.00	21.69	0.00	24.03	0.88	7.04	7.88	0.31	101.60	26.24	50.80	21.10	1.86
AK-N9-1_30_z	granulite	Ulvesund	39.31	0.04	21.60	0.00	26.20	0.86	6.06	7.16	0.48	101.66	22.74	56.10	19.33	1.84
AK-N9-1_30_r	granulite	Ulvesund	39.39	0.00	21.57	0.00	24.42	0.65	5.24	9.91	0.61	101.71	19.59	52.39	26.65	1.37
AK-N9-1_31_c	granulite	Ulvesund	39.19	0.05	21.65	0.00	24.07	0.81	6.81	7.72	1.09	101.28	25.34	52.31	20.65	1.70
AK-N9-1_31_r	granulite	Ulvesund	38.80	0.05	21.36	0.00	23.77	0.56	7.11	7.36	1.66	100.50	26.44	52.71	19.66	1.19
AK-N9-1_32_c	granulite	Ulvesund	39.25	0.06	21.67	0.00	22.07	0.85	7.26	8.68	0.93	100.68	27.07	47.89	23.25	1.79
AK-N9-1_32_z	granulite	Ulvesund	39.18	0.07	21.56	0.00	23.75	0.88	6.72	8.05	0.85	100.95	25.11	51.41	21.62	1.86
AK-N9-1_32_r	granulite	Ulvesund	39.27	0.05	21.68	0.00	21.43	0.65	4.93	12.58	1.14	101.61	18.29	46.77	33.57	1.37
AK-N9-1_33_c	granulite	Ulvesund	39.10	0.00	21.62	0.04	22.95	0.89	6.85	8.35	1.57	101.21	25.35	50.57	22.20	1.87
AK-N9-1_33_r	granulite	Ulvesund	39.05	0.05	21.61	0.00	25.05	0.69	6.39	7.50	0.91	101.16	23.94	54.39	20.20	1.47
AK-N9-1_34_c	granulite	Ulvesund	39.24	0.05	21.68	0.00	22.45	0.88	7.36	8.21	1.63	101.34	27.07	49.37	21.72	1.84
AK-N9-1_34_z	granulite	Ulvesund	38.65	0.00	21.68	0.00	21.94	0.94	6.93	8.57	2.22	100.69	25.62	49.64	22.76	1.97
AK-N9-1_34_r	granulite	Ulvesund	39.40	0.10	21.47	0.00	23.69	0.95	6.58	8.44	0.79	101.33	24.49	50.94	22.57	2.00
AK-N9-1_35_c	granulite	Ulvesund	38.96	0.06	21.66	0.00	22.35	0.93	7.18	8.25	1.78	100.99	26.52	49.65	21.89	1.95
AK-N9-1_36_c	granulite	Ulvesund	38.97	0.05	21.51	0.00	21.91	0.91	7.18	8.60	1.88	100.83	26.47	48.82	22.80	1.90
AK-N9-1_36_z	granulite	Ulvesund	39.50	0.05	21.64	0.00	23.10	0.92	7.19	8.14	1.00	101.43	26.61	49.82	21.64	1.93
AK-N9-1_36_r	granulite	Ulvesund	38.40	0.04	21.30	0.00	22.23	0.95	5.32	10.37	2.15	100.54	19.80	50.45	27.74	2.00
AK-N9-1_37_c	granulite	Ulvesund	38.23	0.04	21.56	0.00	22.46	0.91	6.79	8.01	2.48	100.25	25.23	51.45	21.39	1.92
AK-N9-1_37_z	granulite	Ulvesund	38.81	0.00	21.59	0.00	23.88	0.83	6.26	8.21	1.71	101.12	23.28	53.01	21.95	1.76
AK-N9-1_37_r	granulite	Ulvesund	39.14	0.05	21.45	0.00	24.23	0.82	6.70	7.68	1.51	101.42	24.78	53.08	20.42	1.72
AK-N9-1_38_c	granulite	Ulvesund	39.22	0.08	21.51	0.00	21.88	0.88	7.53	8.40	1.64	100.98	27.72	48.22	22.22	1.85
AK-N9-1_38_z	granulite	Ulvesund	39.37	0.08	21.71	0.00	22.31	0.86	7.28	8.58	1.55	101.58	26.73	48.82	22.65	1.80
AK-N9-1_38_r	granulite	Ulvesund	38.98	0.05	21.60	0.00	22.92	0.89	6.91	8.21	1.45	100.87	25.69	50.51	21.92	1.88
AK-N9-1_39_c	granulite	Ulvesund	39.57	0.07	21.59	0.00	21.82	0.83	7.54	8.80	1.06	101.18	27.81	47.12	23.33	1.74
AK-N9-1_39_z	granulite	Ulvesund	39.41	0.11	21.42	0.00	21.99	0.87	7.43	8.67	1.40	101.16	27.30	47.95	22.92	1.82
AK-N9-1_39_r	granulite	Ulvesund	38.94	0.06	21.35	0.00	23.30	0.95	6.86	7.91	1.55	100.76	25.46	51.44	21.11	2.00
AK-N9-1_40_c	granulite	Ulvesund	39.34	0.09	21.60	0.00	22.02	0.90	7.22	8.84	1.37	101.25	26.61	48.09	23.41	1.89
AK-N9-1_40_z	granulite	Ulvesund	39.34	0.04	21.70	0.00	22.77	0.92	6.90	8.64	1.48	101.64	25.41	49.80	22.87	1.92
AK-N9-1_40_r	granulite	Ulvesund	38.89	0.07	21.58	0.00	23.57	0.81	6.39	8.42	1.57	101.14	23.74	52.08	22.48	1.70
AK-N9-1_41_c	granulite	Ulvesund	38.76	0.06	21.49	0.00	22.98	0.86	6.70	8.29	2.17	101.08	24.68	51.56	21.96	1.80
AK-N9-1_41_z	granulite	Ulvesund	38.95	0.05	21.49	0.00	22.16	0.91	6.94	8.72	2.13	101.14	25.48	49.61	23.01	1.90
AK-N9-1_41_r	granulite	Ulvesund	39.37	0.05	21.36	0.00	24.76	0.83	6.80	7.34	1.05	101.45	25.22	53.48	19.56	1.74
AK-N9-1_42_z	granulite	Ulvesund	38.83	0.00	21.48	0.00	22.88	0.91	7.03	7.89	1.89	100.72	26.02	51.06	21.00	1.92
AK-N9-1_42_r	granulite	Ulvesund	38.89	0.06	21.30	0.00	24.25	0.87	6.25	8.04	1.41	100.92	23.28	53.35	21.53	1.84
AK-N9-1_43_z	granulite	Ulvesund	38.48	0.00	21.44	0.00	23.51	0.86	6.63	7.66	2.22	100.58	24.61	53.13	20.44	1.82

AK-N9-1_43_r	granulite	Ulvesund	38.56	0.00	21.20	0.00	23.70	0.85	7.11	6.92	1.93	100.08	26.51	53.17	18.52	1.81
AK-N9-1_44_c	granulite	Ulvesund	38.79	0.00	21.64	0.00	23.73	0.78	6.19	8.45	1.74	101.15	23.02	52.77	22.57	1.65
AK-N9-1_44_z	granulite	Ulvesund	39.11	0.08	21.61	0.00	22.76	0.88	7.15	8.15	1.64	101.22	26.38	50.16	21.61	1.84
AK-N9-1_44_r	granulite	Ulvesund	38.67	0.00	21.31	0.00	23.39	0.83	6.97	7.49	1.82	100.30	25.93	52.26	20.05	1.75
AK-N9-1_45_z	granulite	Ulvesund	38.79	0.05	21.30	0.00	23.54	0.76	6.73	7.91	1.68	100.58	25.01	52.25	21.14	1.60
AK-N9-1_45_r	granulite	Ulvesund	38.22	0.00	21.22	0.00	22.81	0.78	6.76	7.85	2.67	100.05	25.04	52.41	20.90	1.64
AK-N9-1_46_c	granulite	Ulvesund	38.99	0.12	21.44	0.00	21.77	0.85	7.33	8.61	1.56	100.51	27.16	48.15	22.91	1.78
AK-N9-1_46_z	granulite	Ulvesund	38.32	0.05	21.29	0.00	20.85	0.88	7.46	8.45	2.81	99.82	27.49	48.31	22.37	1.83
AK-N9-1_46_r	granulite	Ulvesund	38.21	0.05	21.22	0.00	23.08	0.81	6.57	7.91	2.17	99.80	24.55	52.48	21.24	1.72
AK-N9-1_47_c	granulite	Ulvesund	38.15	0.07	21.08	0.00	23.86	0.89	6.43	7.37	2.46	100.07	23.95	54.46	19.71	1.88
AK-N9-1_47_r	granulite	Ulvesund	38.14	0.00	21.26	0.00	24.29	0.69	6.34	7.26	2.26	100.01	23.74	55.25	19.54	1.47
AK-N9-1_48_c	granulite	Ulvesund	38.66	0.06	21.43	0.00	22.92	0.99	6.93	7.80	2.03	100.62	25.69	51.45	20.77	2.09
AK-N9-1_48_z	granulite	Ulvesund	38.60	0.05	21.28	0.00	23.11	0.98	6.61	8.05	2.15	100.61	24.49	52.02	21.44	2.05
AK-N9-1_48_r	granulite	Ulvesund	37.93	0.00	21.16	0.00	23.66	1.02	6.04	7.73	2.23	99.55	22.72	54.19	20.92	2.17
AK-N9-1_49_c	granulite	Ulvesund	38.33	0.05	21.37	0.00	20.68	0.91	7.50	8.51	2.77	99.85	27.65	47.92	22.54	1.90
AK-N9-1_49_z	granulite	Ulvesund	38.65	0.06	21.60	0.00	21.74	0.93	7.23	8.36	2.17	100.52	26.71	49.13	22.22	1.95
AK-N9-1_49_r	granulite	Ulvesund	38.62	0.06	21.40	0.00	22.63	0.91	6.84	8.17	1.84	100.30	25.47	50.73	21.87	1.93
AK-N9-1_50_c	granulite	Ulvesund	38.43	0.06	21.07	0.00	21.85	0.93	7.27	8.01	2.45	99.82	26.87	49.89	21.28	1.96
AK-N9-1_50_z	granulite	Ulvesund	38.02	0.05	21.29	0.00	21.24	0.90	7.33	8.03	2.81	99.39	27.20	49.48	21.41	1.91
AK-N9-1_50_r	granulite	Ulvesund	38.09	0.05	21.36	0.00	23.09	1.01	6.64	7.53	2.32	99.86	24.83	52.80	20.23	2.14
AK-N38-1c	eclogite	Ulvesund	38.84	0.04	21.80	0.07	22.68	0.47	5.93	9.96	0.84	100.63	22.36	49.62	27.02	1.00
AK-N38-1m	eclogite	Ulvesund	38.80	0.06	21.78	0.10	22.23	0.47	6.02	10.16	1.34	100.96	22.52	49.18	27.31	0.99
AK-N38-1r	eclogite	Ulvesund	39.02	0.08	21.74	0.05	22.63	0.46	6.03	10.06	0.51	100.58	22.76	48.93	27.31	1.00
AK-N38-2c	eclogite	Ulvesund	39.19	0.03	21.93	0.07	22.77	0.49	6.16	9.87	0.82	101.33	23.04	49.36	26.56	1.04
AK-N38-2m	eclogite	Ulvesund	38.95	0.03	21.80	0.06	22.71	0.46	6.14	9.75	0.91	100.81	23.08	49.60	26.33	0.99
AK-N38-2r	eclogite	Ulvesund	38.51	0.03	21.84	0.04	23.07	0.68	5.54	9.71	0.82	100.23	21.10	50.85	26.57	1.48
AK-N38-3c	eclogite	Ulvesund	39.18	0.04	21.91	0.06	22.88	0.45	6.07	9.93	0.39	100.90	22.92	49.17	26.93	0.97
AK-N38-3m	eclogite	Ulvesund	38.94	0.06	21.79	0.05	22.39	0.45	6.20	9.92	0.86	100.66	23.32	48.88	26.83	0.97
AK-N38-3r	eclogite	Ulvesund	38.90	0.04	21.88	0.04	22.31	0.47	6.16	9.98	0.82	100.59	23.21	48.75	27.04	1.00
AK-N38-4c	eclogite	Ulvesund	38.56	0.03	21.67	0.03	23.26	0.70	5.43	9.75	0.87	100.30	20.62	51.25	26.62	1.50
AK-N38-4m	eclogite	Ulvesund	38.57	0.03	21.76	0.00	23.46	0.77	5.23	9.82	0.35	100.00	20.07	51.17	27.08	1.67
AK-N38-4r	eclogite	Ulvesund	38.13	0.01	21.55	0.00	24.74	2.14	4.12	8.86	0.59	100.15	15.91	54.78	24.61	4.70
AK-N38-5c	eclogite	Ulvesund	38.89	0.06	21.75	0.02	22.42	0.46	6.07	10.02	0.95	100.64	22.83	49.10	27.08	0.99
AK-N38-5m	eclogite	Ulvesund	38.76	0.01	21.76	0.03	22.40	0.47	6.03	9.93	1.13	100.51	22.70	49.44	26.85	1.00
AK-N38-5r	eclogite	Ulvesund	38.80	0.03	21.87	0.03	23.15	0.55	5.88	9.54	0.64	100.49	22.32	50.49	26.00	1.19
AK-N38-6c	eclogite	Ulvesund	38.50	0.02	21.92	0.06	23.18	0.60	5.76	9.36	1.06	100.48	21.84	51.35	25.52	1.29
AK-N38-6m	eclogite	Ulvesund	38.70	0.04	21.87	0.03	23.29	0.57	5.78	9.49	0.77	100.53	21.91	51.02	25.86	1.22
AK-N38-6r	eclogite	Ulvesund	38.38	0.05	21.61	0.05	24.77	2.39	3.96	9.13	0.05	100.39	15.35	53.95	25.43	5.27
AK-N38-7c	eclogite	Ulvesund	38.60	0.06	21.95	0.00	22.07	0.48	5.93	10.21	1.32	100.62	22.30	49.07	27.59	1.03
AK-N38-7m	eclogite	Ulvesund	38.48	0.03	21.74	0.01	22.13	0.47	5.91	10.06	1.12	99.95	22.40	49.19	27.39	1.02

AK-N38-7r	eclogite	Ulvesund	39.05	0.04	22.01	0.01	22.49	0.50	6.04	10.11	0.90	101.15	22.67	49.01	27.26	1.06
AK-N38-8c	eclogite	Ulvesund	38.67	0.05	21.90	0.01	22.50	0.44	5.86	10.06	0.76	100.25	22.25	49.36	27.44	0.94
AK-N38-8m	eclogite	Ulvesund	38.80	0.02	21.83	0.03	22.55	0.44	5.94	10.01	0.58	100.19	22.57	49.16	27.33	0.94
AK-N38-8r	eclogite	Ulvesund	38.71	0.04	21.86	0.11	22.18	0.46	6.09	10.00	0.62	100.07	23.17	48.50	27.33	1.00
AK-N38-9c	eclogite	Ulvesund	38.55	0.01	21.81	0.06	21.88	0.50	5.94	10.25	1.00	100.01	22.53	48.44	27.95	1.08
AK-N38-9m	eclogite	Ulvesund	38.80	0.04	21.65	0.07	22.09	0.51	6.04	10.20	0.98	100.36	22.74	48.55	27.62	1.09
AK-N38-9r	eclogite	Ulvesund	38.33	0.04	21.91	0.06	21.97	0.46	6.05	9.87	1.09	99.79	23.03	48.99	26.97	1.00
AK-N38-10c	eclogite	Ulvesund	38.01	0.10	21.75	0.05	21.65	3.19	4.02	10.53	1.51	100.81	15.27	49.06	28.77	6.90
AK-N38-10m	eclogite	Ulvesund	38.21	0.13	21.57	0.04	21.81	2.41	4.42	10.67	1.17	100.44	16.82	48.78	29.18	5.22
AK-N38-10r	eclogite	Ulvesund	38.64	0.05	21.73	0.07	22.12	0.58	5.90	10.15	1.25	100.51	22.22	49.08	27.46	1.25
AK-N38-11c	eclogite	Ulvesund	38.26	0.09	21.86	0.00	21.64	1.09	5.02	11.03	1.15	100.15	19.10	48.38	30.16	2.36
AK-N38-11m	eclogite	Ulvesund	38.50	0.09	21.60	0.04	22.14	1.21	4.75	11.15	0.78	100.26	18.07	48.79	30.51	2.62
AK-N38-12c	eclogite	Ulvesund	38.50	0.01	21.92	0.05	21.57	0.48	6.05	10.30	1.31	100.18	22.83	48.18	27.95	1.03
AK-N38-12m	eclogite	Ulvesund	38.78	0.03	21.84	0.05	22.29	0.53	6.06	9.96	0.96	100.49	22.87	49.00	26.99	1.14
AK-N38-13c	eclogite	Ulvesund	38.78	0.09	21.59	0.01	22.07	0.80	4.87	11.61	0.67	100.49	18.47	48.19	31.62	1.72
AK-N38-13m	eclogite	Ulvesund	38.91	0.06	21.64	0.01	22.51	0.81	4.86	11.39	0.62	100.80	18.37	48.94	30.96	1.74
AK-N38-13r	eclogite	Ulvesund	38.49	0.14	21.47	0.00	22.82	0.61	4.42	11.57	0.67	100.20	16.87	50.10	31.70	1.32
AK-N38-14c	eclogite	Ulvesund	38.68	0.10	21.72	0.02	22.08	0.72	5.03	11.38	0.98	100.71	18.97	48.63	30.86	1.54
AK-N38-14m	eclogite	Ulvesund	38.71	0.09	21.63	0.03	22.20	0.62	4.89	11.58	0.88	100.63	18.47	48.75	31.45	1.33
AK-N38-14r	eclogite	Ulvesund	38.86	0.08	21.69	0.01	22.61	0.82	4.90	11.22	0.69	100.87	18.51	49.26	30.48	1.75
AK-N38-15c	eclogite	Ulvesund	38.88	0.03	22.07	0.00	22.43	0.50	5.74	10.42	0.68	100.73	21.73	48.88	28.33	1.07
AK-N38-15m	eclogite	Ulvesund	39.04	0.04	21.98	0.00	22.33	0.50	5.77	10.61	0.71	100.97	21.73	48.50	28.70	1.07
AK-N38-15r	eclogite	Ulvesund	39.17	0.03	21.89	0.00	22.50	0.46	5.90	10.45	0.65	101.05	22.16	48.65	28.21	0.99
AK-N38-16c	eclogite	Ulvesund	39.03	0.12	21.82	0.02	21.75	1.23	5.23	11.28	0.73	101.21	19.67	47.25	30.46	2.62
AK-N38-16m	eclogite	Ulvesund	38.92	0.07	21.84	0.03	21.79	1.11	5.34	11.05	0.90	101.05	20.10	47.67	29.87	2.36
AK-N38-16r	eclogite	Ulvesund	38.82	0.11	21.63	0.01	21.59	0.86	5.33	11.35	0.76	100.47	20.15	47.20	30.81	1.85
AK-N38-17c	eclogite	Ulvesund	38.64	0.10	21.75	0.00	21.54	1.15	5.18	11.20	0.92	100.48	19.61	47.47	30.45	2.46
AK-N38-17m	eclogite	Ulvesund	39.07	0.03	21.71	0.02	21.86	1.00	5.46	11.04	0.87	101.06	20.48	47.64	29.76	2.12
AK-N38-17r	eclogite	Ulvesund	38.69	0.05	21.61	0.01	21.09	1.20	5.34	11.31	1.07	100.38	20.12	46.66	30.64	2.58
AK-N38-18c	eclogite	Ulvesund	38.82	0.12	21.90	0.03	21.52	0.79	5.53	11.19	1.16	101.06	20.74	47.44	30.15	1.68
AK-N38-18m	eclogite	Ulvesund	38.74	0.09	21.74	0.00	22.14	0.75	5.50	10.70	0.57	100.23	20.89	48.28	29.20	1.62
AK-N38-18r	eclogite	Ulvesund	38.90	0.06	21.85	0.04	22.12	1.04	5.21	11.02	0.77	101.02	19.64	48.27	29.86	2.23
AK-N38-19c	eclogite	Ulvesund	38.55	0.06	21.95	0.01	21.68	1.30	4.93	11.21	0.79	100.47	18.75	47.79	30.65	2.81
AK-N38-19m	eclogite	Ulvesund	38.92	0.07	21.76	0.00	21.98	0.91	5.27	11.18	0.37	100.45	20.00	47.54	30.51	1.96
AK-N38-19r	eclogite	Ulvesund	38.97	0.07	21.90	0.00	21.95	0.80	5.20	11.43	0.75	101.07	19.57	47.79	30.93	1.71
AK-N38-20c	eclogite	Ulvesund	38.67	0.07	21.88	0.00	21.84	0.64	5.33	11.17	0.70	100.30	20.25	47.88	30.49	1.38
AK-N38-20m	eclogite	Ulvesund	39.12	0.06	21.75	0.00	22.09	0.58	5.46	11.26	0.18	100.50	20.70	47.35	30.69	1.25
AK-N38-20r	eclogite	Ulvesund	38.70	0.07	21.78	0.03	21.51	0.56	5.59	11.16	0.82	100.21	21.17	47.26	30.37	1.20
AK-N39-1_1_c	garnet gneiss	Runde	37.84	0.00	21.42	0.00	27.04	5.64	5.99	1.42	0.84	100.10	23.21	60.42	3.96	12.41
AK-N39-1_1_z	garnet gneiss	Runde	38.15	0.00	21.59	0.00	26.74	5.48	6.45	1.43	1.18	100.90	24.64	59.56	3.91	11.89

AK-N39-1_1_r	garnet gneiss	Runde	37.90	0.00	21.30	0.04	27.45	6.11	5.37	1.65	0.94	100.67	20.72	61.28	4.59	13.40
AK-N39-1_2_c	garnet gneiss	Runde	38.55	0.00	21.72	0.00	27.45	5.79	6.11	1.48	0.28	101.36	23.50	59.77	4.08	12.65
AK-N39-1_2_z	garnet gneiss	Runde	38.46	0.00	21.73	0.00	27.15	5.59	6.36	1.43	0.68	101.34	24.35	59.58	3.94	12.14
AK-N39-1_2_r	garnet gneiss	Runde	38.14	0.00	21.77	0.00	27.48	6.39	5.18	1.88	0.60	101.38	20.03	60.71	5.23	14.03
AK-N39-1_3_c	garnet gneiss	Runde	38.60	0.00	21.68	0.00	26.66	4.63	6.87	2.01	0.61	101.00	26.20	58.24	5.53	10.03
AK-N39-1_3_z	garnet gneiss	Runde	38.48	0.00	21.84	0.00	27.02	5.10	6.65	1.54	0.42	101.00	25.55	59.06	4.24	11.15
AK-N39-1_3_r	garnet gneiss	Runde	37.94	0.00	21.58	0.00	28.10	7.15	4.68	1.32	0.11	100.87	18.33	62.02	3.73	15.92
AK-N39-1_4_c	garnet gneiss	Runde	37.72	0.00	21.41	0.00	27.21	5.73	5.60	1.65	0.95	100.18	21.73	61.05	4.59	12.62
AK-N39-1_4_z	garnet gneiss	Runde	38.21	0.00	21.43	0.00	26.64	5.48	6.27	1.81	1.08	100.81	23.96	59.17	4.98	11.89
AK-N39-1_4_r	garnet gneiss	Runde	38.22	0.00	21.46	0.00	27.51	5.82	5.91	1.38	0.44	100.69	22.86	60.54	3.83	12.78
AK-N39-1_5_c	garnet gneiss	Runde	38.35	0.00	21.55	0.00	27.42	5.67	6.18	1.31	0.27	100.73	23.90	60.01	3.63	12.46
AK-N39-1_5_z	garnet gneiss	Runde	38.05	0.00	21.28	0.00	27.56	5.87	5.77	1.33	0.33	100.16	22.46	60.83	3.73	12.98
AK-N39-1_5_r	garnet gneiss	Runde	38.46	0.00	21.62	0.00	28.03	5.93	5.41	1.70	0.00	101.14	21.03	61.13	4.74	13.10
AK-N39-1_6_c	garnet gneiss	Runde	37.75	0.00	21.38	0.00	26.84	5.61	5.86	1.70	1.16	100.18	22.61	60.36	4.73	12.30
AK-N39-1_6_z	garnet gneiss	Runde	38.25	0.00	21.66	0.00	26.66	5.30	6.15	2.14	0.51	100.62	23.75	58.71	5.92	11.62
AK-N39-1_6_r	garnet gneiss	Runde	38.19	0.00	21.51	0.00	27.89	6.24	4.92	2.03	0.00	100.79	19.23	61.18	5.71	13.87
AK-N39-1_7_c	garnet gneiss	Runde	38.01	0.00	21.31	0.00	26.60	5.62	6.26	1.56	0.83	100.10	24.16	59.21	4.32	12.32
AK-N39-1_7_z	garnet gneiss	Runde	37.74	0.00	21.50	0.00	26.13	5.66	6.01	1.99	1.60	100.48	23.00	59.21	5.48	12.31
AK-N39-1_7_r	garnet gneiss	Runde	38.24	0.00	21.38	0.00	27.45	6.06	5.43	1.91	0.51	100.93	20.97	60.42	5.31	13.30
AK-N39-1_8_z	garnet gneiss	Runde	37.35	0.00	21.45	0.00	26.50	5.76	6.00	1.28	1.81	99.96	23.11	60.75	3.55	12.59
AK-N39-1_8_r	garnet gneiss	Runde	37.57	0.00	21.32	0.00	26.60	5.90	5.66	1.77	1.31	100.00	21.88	60.25	4.92	12.95
AK-N39-1_9_c	garnet gneiss	Runde	37.64	0.00	21.34	0.00	26.09	5.43	6.33	1.67	1.76	100.09	24.21	59.40	4.59	11.80
AK-N39-1_9_z	garnet gneiss	Runde	37.49	0.00	21.37	0.00	26.62	5.76	5.69	1.74	1.88	100.35	21.82	60.86	4.79	12.54
AK-N39-1_9_r	garnet gneiss	Runde	38.05	0.00	21.39	0.00	27.31	5.50	6.16	1.29	0.66	100.29	23.80	60.55	3.57	12.08
AK-N39-1_10_c	garnet gneiss	Runde	37.88	0.00	21.44	0.00	26.88	5.63	6.08	1.46	1.02	100.29	23.46	60.15	4.05	12.33
AK-N39-1_10_r	garnet gneiss	Runde	37.90	0.00	21.52	0.00	27.56	6.62	5.14	1.47	0.70	100.85	19.96	61.36	4.10	14.58
AK-N39-1_11_z	garnet gneiss	Runde	38.23	0.00	21.48	0.00	26.54	5.24	6.44	1.87	1.26	100.94	24.49	59.08	5.10	11.32
AK-N39-1_11_r	garnet gneiss	Runde	37.91	0.00	21.43	0.00	26.74	5.67	5.92	1.79	1.18	100.53	22.73	59.93	4.95	12.39
AK-N39-1_12_z	garnet gneiss	Runde	37.85	0.00	21.42	0.00	26.49	5.58	6.00	1.90	1.13	100.26	23.09	59.45	5.25	12.21
AK-N39-1_12_r	garnet gneiss	Runde	36.93	0.00	21.28	0.00	26.47	5.97	5.61	1.29	2.13	99.45	21.69	61.61	3.58	13.12
AK-N39-1_13_c	garnet gneiss	Runde	37.85	0.00	21.61	0.00	26.74	5.56	6.05	1.63	1.06	100.40	23.35	59.93	4.53	12.19
AK-N39-1_13_r	garnet gneiss	Runde	38.31	0.00	21.55	0.00	27.80	5.83	5.47	1.85	0.21	100.98	21.19	60.84	5.14	12.83
AK-N39-1_14_c	garnet gneiss	Runde	38.28	0.00	21.81	0.00	26.39	5.40	6.33	2.05	1.03	101.20	24.18	58.48	5.63	11.71
AK-N39-1_14_z	garnet gneiss	Runde	38.82	0.00	21.85	0.00	27.34	5.47	6.17	1.57	0.00	101.21	23.97	59.58	4.38	12.07
AK-N39-1_14_r	garnet gneiss	Runde	38.44	0.00	21.68	0.00	27.68	5.97	5.59	1.74	0.00	101.09	21.71	60.28	4.85	13.16
AK-N39-1_15_c	garnet gneiss	Runde	38.20	0.00	21.73	0.00	27.23	5.41	6.18	1.52	0.93	101.10	23.69	60.34	4.19	11.78
AK-N39-1_15_r	garnet gneiss	Runde	38.18	0.00	21.60	0.00	28.18	5.92	5.43	1.41	0.53	101.19	20.97	62.11	3.92	13.00
AK-N39-1_16_c	garnet gneiss	Runde	38.40	0.00	21.67	0.00	27.20	5.62	6.31	1.40	0.59	101.13	24.20	59.69	3.85	12.26
AK-N39-1_16_z	garnet gneiss	Runde	38.08	0.00	21.64	0.04	26.88	5.60	6.06	1.70	0.95	100.86	23.28	59.80	4.71	12.22
AK-N39-1_16_r	garnet gneiss	Runde	37.93	0.00	21.34	0.00	27.68	6.59	4.89	1.79	0.30	100.48	19.11	61.25	5.02	14.62

AK-N39-1_17_c	garnet gneiss	Runde	37.47	0.00	21.49	0.00	26.81	5.98	5.68	1.42	1.56	100.26	21.91	61.05	3.93	13.11
AK-N39-1_17_z	garnet gneiss	Runde	38.28	0.00	21.52	0.00	26.57	5.67	6.21	1.87	0.68	100.73	23.86	58.59	5.17	12.38
AK-N39-1_17_r	garnet gneiss	Runde	37.40	0.00	21.36	0.00	27.53	7.32	4.61	1.22	0.86	100.20	18.07	62.21	3.42	16.29
AK-N39-1_18_c	garnet gneiss	Runde	38.56	0.00	21.69	0.00	26.92	5.51	6.37	1.76	0.41	101.18	24.41	58.73	4.86	12.00
AK-N39-1_18_z	garnet gneiss	Runde	37.70	0.00	21.45	0.00	26.60	5.59	6.18	1.40	1.43	100.22	23.77	60.13	3.88	12.22
AK-N39-1_18_r	garnet gneiss	Runde	37.92	0.00	21.55	0.00	27.36	6.00	5.38	1.81	0.80	100.74	20.81	60.97	5.05	13.18
AK-N39-1_19_c	garnet gneiss	Runde	37.88	0.00	21.58	0.00	26.21	5.25	6.42	1.81	1.09	100.13	24.74	58.75	5.02	11.49
AK-N39-1_19_z	garnet gneiss	Runde	38.11	0.00	21.48	0.00	27.06	5.72	6.10	1.45	0.83	100.66	23.46	60.02	4.02	12.50
AK-N39-1_19_r	garnet gneiss	Runde	37.46	0.00	21.34	0.00	26.53	5.98	5.86	1.37	1.42	99.82	22.67	60.37	3.81	13.15
AK-N39-1_20_z	garnet gneiss	Runde	38.00	0.00	21.57	0.05	26.23	5.46	6.07	2.23	1.19	100.68	23.28	58.69	6.13	11.90
AK-N39-1_20_r	garnet gneiss	Runde	37.71	0.00	21.28	0.00	26.70	5.95	5.59	1.87	1.19	100.17	21.59	60.16	5.20	13.06
AK-N39-1_21_c	garnet gneiss	Runde	38.05	0.00	21.44	0.00	26.77	5.45	6.49	1.27	1.01	100.38	24.95	59.65	3.51	11.89
AK-N39-1_21_z	garnet gneiss	Runde	38.51	0.00	21.58	0.00	28.10	5.71	5.86	1.34	0.43	101.49	22.50	61.34	3.71	12.45
AK-N39-1_21_r	garnet gneiss	Runde	37.96	0.00	21.36	0.00	28.58	6.22	4.97	1.30	0.34	100.69	19.37	63.21	3.63	13.79
AK-N39-1_22_c	garnet gneiss	Runde	38.63	0.00	21.65	0.00	27.37	5.54	5.99	1.96	0.23	101.36	23.03	59.45	5.42	12.11
AK-N39-1_22_r	garnet gneiss	Runde	38.14	0.00	21.49	0.00	26.89	5.50	6.15	1.71	0.78	100.58	23.66	59.59	4.73	12.02
AK-N39-1_23_c	garnet gneiss	Runde	36.38	0.00	20.97	0.00	24.67	5.73	6.32	1.39	3.68	98.76	24.05	59.76	3.80	12.39
AK-N39-1_23_r	garnet gneiss	Runde	35.95	0.00	20.99	0.00	24.71	5.88	5.78	1.58	3.51	98.05	22.32	60.38	4.40	12.90
AK-N39-1_24_c	garnet gneiss	Runde	37.08	0.00	21.38	0.00	26.02	5.71	5.96	1.49	2.06	99.49	23.01	60.35	4.12	12.52
AK-N39-1_24_z	garnet gneiss	Runde	36.91	0.00	21.28	0.00	25.05	5.51	6.20	1.92	2.46	99.08	23.84	58.83	5.29	12.04
AK-N39-1_24_r	garnet gneiss	Runde	37.06	0.00	21.32	0.00	26.06	5.71	5.87	1.57	1.96	99.35	22.71	60.38	4.35	12.56
AK-N39-1_25_c	garnet gneiss	Runde	37.42	0.00	21.42	0.00	25.17	5.46	6.52	1.90	2.27	99.92	24.84	58.15	5.19	11.82
AK-N39-1_25_z	garnet gneiss	Runde	37.54	0.00	21.49	0.00	25.34	5.36	6.49	1.99	1.70	99.75	24.94	57.87	5.49	11.70
AK-N39-1_25_r	garnet gneiss	Runde	36.81	0.00	21.14	0.00	25.05	5.79	5.98	1.90	2.52	98.94	23.04	59.03	5.26	12.68
AK-N39-1_26_z	garnet gneiss	Runde	37.85	0.00	21.38	0.00	26.84	5.91	5.57	1.96	1.17	100.57	21.42	60.23	5.42	12.93
AK-N39-1_27_c	garnet gneiss	Runde	38.37	0.00	21.50	0.00	26.48	5.51	5.75	2.78	0.46	100.81	22.14	58.10	7.70	12.07
AK-N39-1_27_r	garnet gneiss	Runde	37.38	0.00	21.53	0.00	26.00	5.99	5.51	2.20	1.24	99.72	21.42	59.19	6.15	13.24
AK-N39-1_28_c	garnet gneiss	Runde	37.48	0.00	21.57	0.00	25.54	5.52	6.31	1.90	2.08	100.20	24.10	58.72	5.22	11.97
AK-N39-1_28_z	garnet gneiss	Runde	38.23	0.00	21.60	0.00	26.52	5.55	6.22	1.94	1.07	101.02	23.75	58.89	5.33	12.03
AK-N39-1_28_r	garnet gneiss	Runde	37.80	0.00	21.46	0.00	27.91	6.76	4.50	1.90	0.67	100.93	17.51	62.25	5.30	14.94
AK-N39-1_29_c	garnet gneiss	Runde	37.61	0.00	21.43	0.00	27.95	6.92	4.67	1.32	1.01	100.81	18.15	62.90	3.67	15.28
AK-N39-1_29_r	garnet gneiss	Runde	37.76	0.00	21.36	0.00	27.49	6.33	5.44	1.21	0.61	100.13	21.22	61.36	3.40	14.03
AK-N39-1_30_c	garnet gneiss	Runde	36.25	0.00	21.22	0.05	24.88	5.34	6.32	1.40	3.27	98.39	24.33	60.11	3.87	11.69
AK-N39-1_30_z	garnet gneiss	Runde	36.27	0.00	21.15	0.00	26.50	6.08	4.74	1.76	2.71	98.94	18.45	63.18	4.92	13.45
AK-N39-1_30_r	garnet gneiss	Runde	36.56	0.00	21.03	0.00	25.19	5.88	5.78	1.78	2.94	98.85	22.21	60.04	4.91	12.85
AK-N39-1_31_r	garnet gneiss	Runde	36.19	0.00	21.01	0.00	26.01	7.20	4.63	1.34	2.68	98.79	18.07	62.20	3.75	15.97
AK-N39-1_32_c	garnet gneiss	Runde	36.53	0.00	21.14	0.00	24.75	5.64	6.12	1.81	3.05	98.74	23.48	59.21	5.00	12.31
AK-N39-1_32_z	garnet gneiss	Runde	36.66	0.00	21.19	0.00	24.62	5.60	6.23	1.91	2.97	98.88	23.86	58.70	5.26	12.18
AK-N39-1_32_r	garnet gneiss	Runde	37.45	0.00	21.38	0.00	26.71	6.18	5.61	1.42	1.51	100.10	21.66	60.85	3.93	13.56
AK-N39-1_33_c	garnet gneiss	Runde	38.12	0.00	21.67	0.00	27.51	5.80	5.84	1.41	0.63	100.91	22.54	60.84	3.90	12.72

AK-N39-1_33_z	garnet gneiss	Runde	38.43	0.00	21.75	0.00	27.20	5.50	5.98	1.97	0.46	101.24	22.98	59.55	5.44	12.02
AK-N39-1_33_r	garnet gneiss	Runde	37.77	0.00	21.58	0.00	29.00	7.45	3.85	1.37	0.01	101.03	15.18	64.21	3.90	16.71
AK-N39-1_34_r	garnet gneiss	Runde	38.42	0.00	21.50	0.00	28.31	6.69	4.81	1.79	0.04	101.54	18.63	61.65	4.97	14.74
AK-N39-1_36_z	garnet gneiss	Runde	36.32	0.00	20.82	0.04	25.63	6.47	5.43	1.24	2.70	98.37	21.09	61.17	3.46	14.28
AK-N39-1_36_r	garnet gneiss	Runde	37.15	0.00	21.26	0.00	26.14	6.47	5.37	1.69	1.87	99.75	20.75	60.35	4.69	14.21
AK-N39-1_37_c	garnet gneiss	Runde	36.74	0.00	21.04	0.00	25.51	5.77	6.16	1.24	2.53	98.74	23.77	60.14	3.44	12.66
AK-N39-1_37_r	garnet gneiss	Runde	36.99	0.00	21.02	0.05	27.17	7.79	4.25	1.25	1.52	99.88	16.61	62.58	3.50	17.31
AK-N39-1_38_c	garnet gneiss	Runde	37.73	0.00	21.34	0.00	26.15	5.45	6.30	1.73	1.70	100.24	24.08	59.34	4.74	11.84
AK-N39-1_38_r	garnet gneiss	Runde	37.51	0.00	21.43	0.00	26.63	5.69	5.71	1.79	1.20	99.84	22.15	60.32	4.98	12.55
AK-N39-1_39_c	garnet gneiss	Runde	37.18	0.00	21.23	0.00	25.66	5.39	6.44	1.46	2.50	99.60	24.57	59.76	3.99	11.68
AK-N39-1_39_z	garnet gneiss	Runde	37.25	0.00	21.35	0.00	27.14	5.98	5.43	1.30	1.69	99.97	21.03	62.21	3.61	13.15
AK-N39-1_39_r	garnet gneiss	Runde	37.28	0.00	21.29	0.00	25.59	5.58	6.21	1.77	2.03	99.54	23.86	59.08	4.88	12.19
AK-N39-1_40_c	garnet gneiss	Runde	37.75	0.00	21.66	0.00	25.87	5.33	6.38	1.96	1.40	100.20	24.50	58.46	5.41	11.63
AK-N39-1_40_z	garnet gneiss	Runde	38.25	0.00	21.58	0.07	26.80	5.51	6.41	1.51	0.58	100.65	24.69	59.07	4.18	12.06
AK-N39-1_40_r	garnet gneiss	Runde	37.89	0.00	21.45	0.05	26.73	5.50	6.02	1.78	1.27	100.56	23.10	60.00	4.91	11.99
AK-N39-1_42_c	garnet gneiss	Runde	36.47	0.00	21.04	0.00	25.50	6.14	5.77	1.25	2.41	98.33	22.47	60.44	3.50	13.59
AK-N39-1_42_r	garnet gneiss	Runde	36.45	0.00	20.88	0.00	26.20	6.78	5.05	1.18	2.22	98.54	19.74	61.87	3.33	15.06
AK-N39-1_43_z	garnet gneiss	Runde	36.30	0.00	21.19	0.00	24.97	5.84	6.00	1.42	3.15	98.57	23.14	60.13	3.94	12.79
AK-N39-1_43_r	garnet gneiss	Runde	36.43	0.00	21.39	0.00	25.09	5.94	5.94	1.45	3.00	98.94	22.90	60.07	4.03	13.01
AK-N39-1_44_c	garnet gneiss	Runde	36.98	0.00	21.35	0.00	26.05	6.25	5.77	1.22	2.26	99.64	22.22	60.71	3.38	13.69
AK-N39-1_44_r	garnet gneiss	Runde	35.70	0.00	20.87	0.04	26.49	7.52	3.98	1.16	2.80	98.28	15.70	64.18	3.28	16.84
AK-N39-1_45_c	garnet gneiss	Runde	36.61	0.00	21.41	0.00	24.75	5.43	6.37	1.70	2.77	98.77	24.54	58.87	4.72	11.88
AK-N39-1_45_z	garnet gneiss	Runde	37.10	0.00	21.36	0.00	25.87	5.53	6.15	1.50	1.84	99.18	23.84	59.83	4.17	12.16
AK-N39-1_45_r	garnet gneiss	Runde	36.74	0.00	21.17	0.00	26.68	6.89	4.73	1.43	1.97	99.41	18.47	62.26	4.01	15.26
AK-N39-1_46_z	garnet gneiss	Runde	36.35	0.00	21.03	0.04	24.91	5.58	6.12	1.56	2.92	98.23	23.68	59.75	4.32	12.25
AK-N39-1_47_c	garnet gneiss	Runde	37.12	0.00	21.34	0.00	25.61	5.45	6.40	1.45	1.72	98.92	24.84	59.12	4.04	12.01
AK-N39-1_47_z	garnet gneiss	Runde	37.02	0.00	21.50	0.00	26.49	5.97	5.64	1.31	2.19	99.90	21.74	61.55	3.64	13.08
AK-N39-1_47_r	garnet gneiss	Runde	36.62	0.00	21.17	0.00	26.55	7.06	4.61	1.46	2.05	99.32	18.02	62.21	4.10	15.67
AK-N39-1_48_c	garnet gneiss	Runde	37.03	0.00	21.32	0.00	25.05	5.32	6.55	1.69	2.17	98.91	25.24	58.41	4.70	11.65
AK-N39-1_48_z	garnet gneiss	Runde	36.98	0.00	21.38	0.00	25.41	5.55	6.04	1.89	2.16	99.20	23.32	59.25	5.25	12.17
AK-N39-1_48_r	garnet gneiss	Runde	36.65	0.00	21.15	0.00	26.15	6.77	4.77	1.81	2.00	99.09	18.63	61.26	5.08	15.03
AK-N39-1_49	garnet gneiss	Runde	36.75	0.00	21.07	0.00	26.22	6.19	5.41	1.41	1.73	98.61	21.19	61.05	3.98	13.78
AK-N39-1_50_c	garnet gneiss	Runde	37.60	0.00	21.63	0.00	26.57	6.32	5.40	1.84	0.87	100.16	21.06	59.79	5.16	13.99
AK-N39-1_50_r	garnet gneiss	Runde	37.12	0.00	21.24	0.00	26.54	6.62	5.25	1.38	1.41	99.42	20.52	60.91	3.89	14.68
river sediments																100.00
AK-N8-1_1c	sediment	Ulvesund	38.19	0.04	21.50	0.00	27.87	1.68	4.94	5.72	0.18	100.12	19.21	61.12	15.96	3.71
AK-N8-1_1r	sediment	Ulvesund	38.04	0.05	21.40	0.00	26.84	1.58	4.70	6.80	0.37	99.77	18.25	59.27	18.99	3.50
AK-N8-1_2c	sediment	Ulvesund	38.21	0.00	21.68	0.00	24.50	0.59	6.74	6.69	1.60	100.02	25.51	55.02	18.20	1.27
AK-N8-1_2r	sediment	Ulvesund	38.53	0.00	21.68	0.00	24.19	0.58	6.18	8.02	0.71	99.89	23.60	53.15	21.99	1.25
AK-N8-1_3c	sediment	Ulvesund	39.05	0.00	21.79	0.00	23.89	0.72	8.02	6.07	1.09	100.63	29.99	52.17	16.30	1.53

AK-N8-1_3r	sediment	Ulvesund	38.65	0.05	21.61	0.02	24.02	0.74	7.75	5.98	0.59	99.40	29.53	52.47	16.38	1.61
AK-N8-1_4c	sediment	Ulvesund	38.53	0.04	21.28	0.00	25.99	0.71	6.18	6.55	0.74	100.02	23.55	56.98	17.94	1.53
AK-N8-1_5c	sediment	Ulvesund	38.38	0.04	21.37	0.02	25.36	1.44	5.78	6.87	0.96	100.21	22.03	56.04	18.81	3.11
AK-N8-1_5r	sediment	Ulvesund	38.64	0.00	21.64	0.02	20.52	0.75	5.03	12.46	1.01	100.06	19.02	45.49	33.89	1.61
AK-N8-1_6c	sediment	Ulvesund	39.02	0.00	21.35	0.00	23.94	1.39	6.54	7.53	0.31	100.09	24.85	51.59	20.55	3.01
AK-N8-1_6r	sediment	Ulvesund	38.01	0.00	21.09	0.02	26.83	2.19	4.53	6.51	0.62	99.79	17.54	59.53	18.13	4.81
AK-N8-1_7c	sediment	Ulvesund	38.59	0.00	21.59	0.00	26.46	0.62	6.64	5.63	1.01	100.54	25.17	58.17	15.32	1.34
AK-N8-1_7r	sediment	Ulvesund	38.24	0.05	21.36	0.03	26.13	0.65	6.65	5.56	1.15	99.83	25.33	58.04	15.23	1.40
AK-N8-1_8c	sediment	Ulvesund	39.56	0.00	22.43	0.07	21.14	1.46	10.21	5.07	0.41	100.35	38.16	45.12	13.63	3.09
AK-N8-1_8r	sediment	Ulvesund	39.58	0.00	22.06	0.02	22.78	1.88	8.62	5.47	0.00	100.42	32.65	48.40	14.89	4.06
AK-N8-1_9c	sediment	Ulvesund	37.66	0.00	20.87	0.00	25.75	4.70	2.67	7.61	0.94	100.20	10.38	57.97	21.26	10.39
AK-N8-1_9r	sediment	Ulvesund	37.47	0.05	20.74	0.03	26.24	2.74	3.33	7.73	1.18	99.52	12.93	59.47	21.56	6.04
AK-N8-1_10c	sediment	Ulvesund	38.82	0.00	21.70	0.00	23.53	0.75	8.07	6.05	1.09	100.02	30.34	51.72	16.34	1.60
AK-N8-1_10r	sediment	Ulvesund	38.66	0.00	21.55	0.01	23.77	0.78	7.82	6.04	0.94	99.57	29.60	52.28	16.44	1.68
AK-N8-1_11c	sediment	Ulvesund	38.10	0.04	21.33	0.02	27.49	1.05	4.62	6.88	0.81	100.34	17.77	60.91	19.03	2.29
AK-N8-1_11r	sediment	Ulvesund	38.08	0.00	21.28	0.00	23.98	0.76	3.86	10.86	0.81	99.63	14.87	53.39	30.07	1.67
AK-N8-1_12c	sediment	Ulvesund	38.05	0.00	21.36	0.03	27.59	1.08	4.99	6.19	0.81	100.09	19.24	61.24	17.16	2.36
AK-N8-1_12r	sediment	Ulvesund	38.51	0.00	21.41	0.00	27.29	1.56	3.50	8.33	0.00	100.61	13.63	59.61	23.30	3.46
AK-N8-1_13c	sediment	Ulvesund	38.54	0.00	21.40	0.00	25.46	1.08	6.41	6.32	1.01	100.23	24.32	56.11	17.24	2.33
AK-N8-1_13r	sediment	Ulvesund	39.60	0.00	22.30	0.01	25.48	1.38	5.14	7.75	0.00	101.67	19.95	55.42	21.59	3.04
AK-N8-1_14c	sediment	Ulvesund	38.86	0.00	21.68	0.00	23.99	0.45	6.05	8.77	0.78	100.58	22.87	52.35	23.83	0.96
AK-N8-1_14r	sediment	Ulvesund	38.44	0.00	21.53	0.01	24.51	0.45	6.29	7.64	0.81	99.68	24.00	54.05	20.97	0.98
AK-N8-1_15c	sediment	Ulvesund	39.00	0.04	21.93	0.00	23.96	0.71	7.92	6.14	0.42	100.12	30.01	51.73	16.73	1.53
AK-N8-1_15r	sediment	Ulvesund	38.93	0.05	21.96	0.00	20.01	0.41	4.57	14.06	0.36	100.36	17.38	43.34	38.39	0.89
AK-N8-1_16c	sediment	Ulvesund	39.07	0.00	21.72	0.00	23.97	0.73	8.16	5.83	0.48	99.96	30.84	51.75	15.84	1.57
AK-N8-1_16r	sediment	Ulvesund	38.94	0.04	21.64	0.00	24.72	0.69	7.60	5.96	0.36	99.95	28.87	53.38	16.27	1.48
AK-N8-1_17c	sediment	Ulvesund	38.45	0.00	21.37	0.00	27.33	0.78	5.45	6.36	0.61	100.35	20.87	59.92	17.51	1.69
AK-N8-1_17r	sediment	Ulvesund	38.42	0.00	21.27	0.00	27.09	0.78	5.23	6.84	0.51	100.13	20.07	59.36	18.88	1.69
AK-N8-1_18c	sediment	Ulvesund	38.55	0.00	21.68	0.03	25.62	0.77	6.83	5.87	0.99	100.33	25.93	56.42	15.99	1.65
AK-N8-1_18r	sediment	Ulvesund	38.68	0.00	21.47	0.02	26.08	0.70	6.70	5.87	0.31	99.82	25.66	56.65	16.16	1.53
AK-N8-1_19c	sediment	Ulvesund	38.65	0.05	21.26	0.01	24.25	0.90	5.99	8.13	0.66	99.89	22.79	53.04	22.23	1.94
AK-N8-1_19r	sediment	Ulvesund	38.16	0.00	21.28	0.00	22.35	0.68	4.65	11.17	1.36	99.65	17.70	50.30	30.53	1.46
AK-N8-1_20c	sediment	Ulvesund	38.57	0.00	21.33	0.04	26.33	0.60	6.31	6.21	0.73	100.11	24.03	57.68	17.00	1.29
AK-N8-1_20r	sediment	Ulvesund	38.13	0.00	21.46	0.02	25.34	0.52	7.20	5.38	0.94	99.00	27.63	56.39	14.85	1.14
AK-N8-1_21c	sediment	Ulvesund	38.79	0.05	21.67	0.00	24.59	0.60	6.24	7.90	0.85	100.69	23.56	53.72	21.43	1.29
AK-N8-1_21r	sediment	Ulvesund	38.79	0.00	21.93	0.00	23.32	0.53	6.26	8.88	0.69	100.40	23.73	50.94	24.20	1.13
AK-N8-1_22c	sediment	Ulvesund	38.36	0.00	21.31	0.00	24.66	1.01	5.31	8.37	0.85	99.86	20.31	54.52	22.99	2.19
AK-N8-1_22r	sediment	Ulvesund	38.14	0.05	21.34	0.01	24.74	1.03	5.78	7.46	1.06	99.61	22.11	55.14	20.50	2.25
AK-N8-1_23c	sediment	Ulvesund	38.76	0.00	22.10	0.00	24.15	0.51	7.04	7.13	0.62	100.33	26.75	52.67	19.47	1.10
AK-N8-1_23r	sediment	Ulvesund	38.85	0.00	21.79	0.02	25.47	0.65	6.01	7.44	0.00	100.23	23.12	54.90	20.55	1.43

AK-N8-1_24c	sediment	Ulvesund	38.38	0.06	21.68	0.00	25.32	0.66	6.02	7.20	0.92	100.25	22.95	55.90	19.71	1.44
AK-N8-1_24r	sediment	Ulvesund	39.01	0.00	21.98	0.00	23.20	0.42	4.97	11.06	0.36	100.99	18.85	50.08	30.16	0.91
AK-N8-1_25c	sediment	Ulvesund	39.37	0.00	22.04	0.01	20.40	0.39	8.99	8.01	0.76	99.97	33.56	44.13	21.49	0.82
AK-N8-1_25r	sediment	Ulvesund	39.47	0.00	22.04	0.00	20.85	0.37	9.74	6.72	0.65	99.84	36.35	44.85	18.01	0.78
AK-N8-1_26c	sediment	Ulvesund	39.43	0.00	21.85	0.00	23.26	0.57	8.49	6.38	0.39	100.37	31.88	49.70	17.20	1.22
AK-N8-1_26r	sediment	Ulvesund	38.81	0.04	21.61	0.00	24.60	0.60	7.79	5.73	0.60	99.78	29.56	53.50	15.64	1.30
AK-N8-1_27c	sediment	Ulvesund	38.19	0.05	21.46	0.02	25.70	0.88	6.42	6.00	1.27	99.99	24.41	57.28	16.40	1.90
AK-N8-1_27r	sediment	Ulvesund	38.28	0.00	21.48	0.00	26.07	0.89	6.62	5.47	0.72	99.52	25.42	57.55	15.09	1.93
AK-N8-1_28c	sediment	Ulvesund	38.80	0.00	21.85	0.00	25.37	0.46	6.56	6.92	0.15	100.12	25.14	54.82	19.04	1.01
AK-N8-1_28r	sediment	Ulvesund	38.40	0.00	21.93	0.00	23.85	0.51	5.41	9.29	0.57	99.96	20.78	52.47	25.64	1.10
AK-N8-1_29c	sediment	Ulvesund	38.28	0.00	21.22	0.02	26.36	0.96	5.28	7.05	0.95	100.12	20.17	58.36	19.38	2.09
AK-N8-1_29_r	sediment	Ulvesund	38.74	0.00	21.24	0.03	27.19	0.92	5.01	7.00	0.00	100.12	19.40	59.09	19.48	2.02
AK-N8-1_31c	sediment	Ulvesund	39.23	0.05	22.27	0.04	21.27	0.53	7.74	8.85	0.86	100.84	28.92	46.19	23.75	1.13
AK-N8-1_31r	sediment	Ulvesund	39.15	0.00	22.14	0.02	21.87	0.51	7.45	8.59	0.00	99.74	28.46	46.85	23.58	1.11
AK-N8-1_32c	sediment	Ulvesund	38.77	0.00	21.61	0.01	24.06	0.65	6.96	7.22	0.78	100.05	26.35	52.62	19.64	1.39
AK-N8-1_32r	sediment	Ulvesund	38.85	0.00	21.74	0.02	23.90	0.54	5.74	9.19	0.48	100.45	21.83	51.90	25.10	1.17
AK-N8-1_33c	sediment	Ulvesund	38.21	0.00	21.39	0.02	25.92	1.11	5.74	6.57	1.08	100.05	21.92	57.63	18.04	2.41
AK-N8-1_33r	sediment	Ulvesund	38.06	0.04	21.31	0.00	27.87	1.44	4.66	6.18	0.40	99.97	18.08	61.50	17.24	3.18
AK-N8-1_34c	sediment	Ulvesund	39.01	0.00	22.01	0.00	21.19	0.77	9.52	6.02	1.61	100.13	35.27	47.07	16.05	1.62
AK-N8-1_34r	sediment	Ulvesund	39.36	0.00	22.05	0.02	22.09	0.78	9.52	5.63	0.33	99.78	35.84	47.25	15.23	1.67
AK-N8-1_35c	sediment	Ulvesund	38.44	0.00	21.48	0.00	24.83	1.04	6.11	7.18	1.30	100.36	23.10	55.15	19.52	2.22
AK-N8-1_35r	sediment	Ulvesund	38.41	0.00	21.53	0.01	24.82	1.05	6.15	7.10	1.14	100.20	23.35	55.04	19.36	2.26
AK-N8-1_36c	sediment	Ulvesund	38.65	0.00	21.57	0.00	22.68	0.66	4.90	11.03	0.94	100.44	18.58	49.99	30.02	1.42
AK-N8-1_36r	sediment	Ulvesund	38.38	0.00	21.50	0.00	22.06	0.76	4.67	11.51	1.03	99.92	17.76	49.09	31.50	1.65
AK-N8-1_37c	sediment	Ulvesund	37.89	0.15	21.18	0.00	28.02	0.71	4.70	6.50	0.84	99.99	18.14	62.29	18.02	1.56
AK-N8-1_37r	sediment	Ulvesund	38.09	0.00	21.65	0.00	25.12	0.43	4.24	9.70	0.72	99.96	16.36	55.78	26.91	0.95
AK-N8-1_38c	sediment	Ulvesund	38.92	0.04	21.70	0.00	23.70	0.82	7.18	7.21	0.79	100.37	27.08	51.61	19.54	1.77
AK-N8-1_38r	sediment	Ulvesund	39.04	0.00	21.79	0.00	24.40	0.80	7.02	6.99	0.43	100.48	26.59	52.67	19.01	1.72
AK-N8-1_39c	sediment	Ulvesund	38.31	0.05	21.37	0.00	27.93	0.76	5.64	5.55	0.82	100.43	21.56	61.52	15.26	1.66
AK-N8-1_39r	sediment	Ulvesund	38.34	0.00	21.57	0.02	27.90	0.86	5.40	5.82	0.48	100.40	20.80	61.21	16.10	1.88
AK-N8-1_40c	sediment	Ulvesund	38.53	0.04	21.21	0.00	25.64	1.13	5.81	7.00	1.24	100.61	21.93	56.66	18.99	2.42
AK-N8-1_40r	sediment	Ulvesund	38.26	0.05	21.53	0.00	23.01	0.88	5.23	9.81	1.38	100.14	19.82	51.56	26.73	1.90
AK-N8-1_41c	sediment	Ulvesund	38.72	0.00	21.69	0.03	24.91	0.98	6.26	7.21	1.08	100.87	23.61	54.74	19.55	2.11
AK-N8-1_41r	sediment	Ulvesund	38.55	0.07	22.25	0.00	21.64	0.65	5.67	10.73	0.17	99.74	21.82	47.07	29.68	1.42
AK-N8-1_42c	sediment	Ulvesund	38.88	0.00	21.80	0.00	24.34	0.63	7.46	6.41	0.37	99.90	28.42	52.69	17.53	1.37
AK-N8-1_42r	sediment	Ulvesund	38.84	0.00	21.95	0.00	24.45	0.62	7.01	6.93	0.32	100.12	26.72	52.94	19.01	1.34
AK-N8-1_43c	sediment	Ulvesund	37.99	0.00	21.32	0.02	30.27	1.33	6.15	2.23	0.36	99.65	23.96	66.87	6.23	2.95
AK-N8-1_43r	sediment	Ulvesund	37.55	0.00	21.25	0.01	31.13	2.39	4.78	2.03	0.00	99.14	19.07	69.68	5.82	5.43
AK-N8-1_44c	sediment	Ulvesund	38.20	0.00	20.96	0.06	27.51	1.09	4.42	7.17	0.70	100.10	17.01	60.78	19.83	2.38
AK-N8-1_44r	sediment	Ulvesund	38.18	0.04	20.83	0.08	27.30	1.07	4.45	7.31	1.01	100.27	17.03	60.54	20.11	2.32

AK-N8-1_45c	sediment	Ulvesund	38.92	0.00	21.90	0.02	23.65	0.71	8.45	5.55	0.83	100.02	31.85	51.59	15.05	1.51
AK-N8-1_45r	sediment	Ulvesund	39.18	0.00	21.83	0.01	24.06	0.70	8.45	5.49	0.06	99.77	32.09	51.41	15.00	1.50
AK-N8-1_46c	sediment	Ulvesund	38.93	0.00	22.02	0.00	22.48	0.44	6.83	8.94	0.89	100.54	25.70	49.16	24.20	0.93
AK-N8-1_46r	sediment	Ulvesund	38.79	0.00	21.98	0.02	24.19	0.59	5.75	8.62	0.00	99.94	22.23	52.50	23.97	1.30
AK-N8-1_47c	sediment	Ulvesund	38.80	0.00	21.68	0.00	25.08	0.67	7.49	5.69	0.84	100.26	28.32	54.80	15.45	1.44
AK-N8-1_47r	sediment	Ulvesund	38.77	0.00	21.64	0.02	25.63	0.72	7.19	5.61	0.48	100.05	27.39	55.70	15.35	1.56
AK-N8-1_48c	sediment	Ulvesund	38.62	0.00	21.53	0.00	25.82	0.65	6.46	6.39	0.82	100.30	24.54	56.61	17.45	1.41
AK-N8-1_48r	sediment	Ulvesund	38.25	0.00	21.54	0.02	26.74	0.69	6.58	5.13	0.90	99.84	25.18	59.19	14.13	1.50
AK-N8-1_49c	sediment	Ulvesund	37.99	0.00	21.05	0.01	26.67	0.66	5.23	6.84	1.57	100.03	19.90	59.96	18.71	1.43
AK-N8-1_49r	sediment	Ulvesund	37.92	0.00	21.00	0.01	25.66	0.64	5.23	7.57	1.80	99.84	19.86	58.10	20.66	1.38
AK-N8-1_50c	sediment	Ulvesund	38.14	0.04	21.31	0.02	25.59	0.82	5.07	7.95	1.38	100.33	19.28	57.22	21.72	1.78
AK-N8-1_50r	sediment	Ulvesund	38.03	0.04	21.25	0.02	26.38	0.87	3.49	9.39	0.59	100.06	13.49	58.45	26.13	1.92
AK-N8-1_51c	sediment	Ulvesund	38.29	0.00	21.87	0.02	25.29	0.85	6.65	6.07	1.18	100.22	25.31	56.26	16.59	1.85
AK-N8-1_51r	sediment	Ulvesund	38.10	0.00	21.28	0.00	22.01	0.54	4.69	11.42	1.07	99.12	17.98	49.39	31.45	1.18
AK-N13-1_1c	sediment	Flatraket	38.18	0.00	21.48	0.00	27.82	0.61	5.40	5.92	0.71	100.13	20.81	61.48	16.37	1.34
AK-N13-1_1r	sediment	Flatraket	37.76	0.00	21.49	0.01	25.74	0.43	4.22	8.93	0.54	99.13	16.50	57.48	25.07	0.96
AK-N13-1_2c	sediment	Flatraket	37.93	0.00	20.92	0.04	27.89	1.78	4.17	6.43	1.00	100.16	16.06	62.24	17.80	3.89
AK-N13-1_2r	sediment	Flatraket	37.72	0.04	20.85	0.03	28.96	2.21	3.44	6.09	0.23	99.57	13.53	64.33	17.21	4.93
AK-N13-1_3c	sediment	Flatraket	38.75	0.00	21.79	0.00	24.35	0.55	7.65	6.07	0.83	99.99	28.99	53.30	16.52	1.19
AK-N13-1_3r	sediment	Flatraket	38.75	0.00	21.64	0.00	23.05	0.57	6.33	8.93	0.68	99.94	24.02	50.39	24.36	1.23
AK-N13-1_4c	sediment	Flatraket	38.85	0.00	21.60	0.04	21.78	0.65	6.24	10.06	1.22	100.44	23.39	48.12	27.11	1.38
AK-N13-1_4r	sediment	Flatraket	38.90	0.00	21.56	0.00	23.01	0.72	7.03	7.99	0.29	99.50	26.81	49.75	21.88	1.57
AK-N13-1_5r	sediment	Flatraket	38.86	0.00	22.03	0.00	23.89	0.62	6.78	7.70	0.34	100.23	25.83	51.73	21.09	1.35
AK-N13-1_6c	sediment	Flatraket	38.03	0.00	21.13	0.00	28.15	1.03	5.01	5.74	0.70	99.79	19.36	62.43	15.96	2.26
AK-N13-1_6r	sediment	Flatraket	37.97	0.00	21.15	0.03	27.28	1.04	4.62	6.89	0.44	99.43	18.00	60.42	19.27	2.31
AK-N13-1_7c	sediment	Flatraket	38.78	0.00	21.70	0.02	22.98	0.52	6.85	8.32	1.21	100.39	25.71	50.71	22.46	1.12
AK-N13-1_7r	sediment	Flatraket	39.16	0.00	21.56	0.03	23.31	0.55	5.70	9.66	0.00	99.97	21.89	50.25	26.67	1.19
AK-N13-1_8c	sediment	Flatraket	38.26	0.00	20.98	0.00	27.78	1.40	4.13	7.16	0.71	100.43	15.88	61.28	19.79	3.06
AK-N13-1_8r	sediment	Flatraket	37.48	0.00	20.58	0.00	28.61	3.54	2.59	6.25	0.98	100.02	10.12	64.52	17.51	7.85
AK-N13-1_9c	sediment	Flatraket	37.79	0.06	21.26	0.00	27.71	0.99	3.00	8.73	0.60	100.16	11.69	61.70	24.43	2.18
AK-N13-1_9r	sediment	Flatraket	37.66	0.00	21.31	0.01	28.14	1.30	2.79	8.28	0.33	99.81	10.96	62.73	23.40	2.91
AK-N13-1_11c	sediment	Flatraket	39.79	0.00	22.04	0.04	18.16	0.93	10.94	7.01	0.56	99.46	40.55	38.80	18.69	1.96
AK-N13-1_11r	sediment	Flatraket	39.51	0.00	22.08	0.02	19.81	0.63	9.38	7.85	0.51	99.80	35.07	42.49	21.10	1.34
AK-N13-1_12c	sediment	Flatraket	38.85	0.00	21.95	0.00	23.95	0.51	6.55	8.05	0.33	100.20	24.99	51.85	22.06	1.11
AK-N13-1_12r	sediment	Flatraket	39.24	0.00	22.03	0.00	23.68	0.56	5.82	9.25	0.00	100.58	22.32	50.96	25.50	1.22
AK-N13-1_13c	sediment	Flatraket	39.04	0.00	21.84	0.00	22.33	0.74	7.24	8.35	0.92	100.47	27.16	48.75	22.52	1.57
AK-N13-1_13r	sediment	Flatraket	38.85	0.05	21.47	0.00	22.23	0.76	7.50	7.90	0.88	99.65	28.28	48.68	21.40	1.64
AK-N13-1_14c	sediment	Flatraket	39.32	0.00	22.01	0.02	20.85	0.38	8.29	8.59	0.27	99.73	31.26	44.63	23.30	0.81
AK-N13-1_14r	sediment	Flatraket	39.36	0.00	22.43	0.00	21.38	0.43	7.57	9.17	0.22	100.56	28.57	45.65	24.86	0.92
AK-N13-1_15c	sediment	Flatraket	38.15	0.00	21.56	0.02	30.98	0.88	5.50	3.07	0.43	100.60	21.33	68.18	8.56	1.93

AK-N13-1_15r	sediment	Flatraket	37.70	0.00	21.12	0.01	31.79	1.14	4.69	2.78	0.00	99.24	18.65	70.85	7.93	2.57
AK-N13-1_16c	sediment	Flatraket	38.19	0.00	21.32	0.00	26.43	0.66	6.02	6.12	1.02	99.76	23.03	58.71	16.83	1.43
AK-N13-1_16r	sediment	Flatraket	38.24	0.30	21.02	0.02	28.38	0.71	5.14	5.97	0.00	99.78	19.96	61.80	16.67	1.57
AK-N13-1_17c	sediment	Flatraket	39.03	0.00	21.38	0.01	23.74	0.57	7.14	7.51	0.84	100.23	26.84	51.65	20.29	1.22
AK-N13-1_17r	sediment	Flatraket	38.59	0.00	21.51	0.02	22.38	0.59	6.26	9.38	0.39	99.12	23.99	48.89	25.84	1.28
AK-N13-1_18c	sediment	Flatraket	38.59	0.00	21.38	0.03	24.41	0.86	6.04	7.88	0.77	99.97	22.98	53.61	21.55	1.86
AK-N13-1_18r	sediment	Flatraket	38.66	0.04	21.39	0.03	24.46	0.79	6.67	7.11	0.47	99.61	25.48	53.31	19.51	1.71
AK-N13-1_19c	sediment	Flatraket	38.75	0.00	21.72	0.03	27.55	0.76	8.12	2.76	0.12	99.82	31.17	59.55	7.62	1.66
AK-N13-1_19r	sediment	Flatraket	38.35	0.00	21.56	0.03	26.85	0.74	8.20	2.84	0.84	99.42	31.37	59.22	7.80	1.61
AK-N13-1_20c	sediment	Flatraket	39.01	0.00	21.98	0.03	24.56	2.40	9.78	1.74	0.12	99.61	37.28	52.75	4.77	5.21
AK-N13-1_20r	sediment	Flatraket	38.94	0.00	21.92	0.00	24.33	2.34	9.80	1.87	0.47	99.67	37.16	52.70	5.10	5.04
AK-N13-1_21c	sediment	Flatraket	38.98	0.00	21.91	0.00	27.41	1.06	8.61	2.17	0.24	100.39	32.76	59.00	5.94	2.30
AK-N13-1_21r	sediment	Flatraket	38.72	0.00	21.70	0.02	26.54	1.06	7.88	3.62	0.19	99.73	30.25	57.48	9.97	2.31
AK-N13-1_22c	sediment	Flatraket	38.82	0.05	21.85	0.01	26.21	0.51	6.68	6.11	0.35	100.59	25.46	56.70	16.73	1.11
AK-N13-1_22r	sediment	Flatraket	38.94	0.06	21.70	0.00	26.00	0.55	5.94	7.40	0.01	100.60	22.69	55.79	20.32	1.20
AK-N13-1_23c	sediment	Flatraket	38.36	0.07	21.12	0.00	25.31	1.17	5.28	7.81	1.00	100.12	20.12	55.97	21.37	2.53
AK-N13-1_23r	sediment	Flatraket	38.71	0.00	21.05	0.01	25.63	1.17	5.39	7.70	0.54	100.21	20.54	55.83	21.09	2.54
AK-N13-1_24c	sediment	Flatraket	37.78	0.00	20.76	0.05	27.24	1.31	4.19	7.13	1.60	100.07	16.03	61.53	19.59	2.84
AK-N13-1_24r	sediment	Flatraket	38.01	0.00	21.49	0.00	26.65	1.22	3.09	9.41	0.19	100.06	12.09	58.78	26.42	2.71
AK-N13-1_25c	sediment	Flatraket	39.22	0.00	22.08	0.01	21.46	0.74	9.32	6.31	0.84	99.99	34.84	46.61	16.97	1.58
AK-N13-1_25r	sediment	Flatraket	39.13	0.00	21.81	0.00	21.56	0.74	9.44	5.98	0.90	99.55	35.35	46.99	16.09	1.57
AK-N13-1_26c	sediment	Flatraket	38.08	0.05	21.53	0.00	24.26	0.89	5.30	8.57	1.34	100.03	20.19	54.43	23.45	1.94
AK-N13-1_26r	sediment	Flatraket	38.54	0.00	21.67	0.00	24.69	1.08	5.21	8.59	0.19	99.98	20.09	53.76	23.79	2.36
AK-N13-1_28c	sediment	Flatraket	38.64	0.04	21.83	0.00	21.74	0.47	4.58	12.38	0.87	100.53	17.35	47.90	33.74	1.01
AK-N13-1_28r	sediment	Flatraket	38.44	0.00	21.85	0.00	21.82	0.44	4.52	12.22	0.53	99.82	17.35	48.00	33.71	0.95
AK-N13-1_29c	sediment	Flatraket	37.89	0.00	21.23	0.00	27.51	0.43	5.06	6.51	1.53	100.17	19.33	61.87	17.86	0.94
AK-N13-1_29r	sediment	Flatraket	38.37	0.06	21.38	0.00	28.36	0.43	5.04	6.36	0.64	100.65	19.32	62.21	17.53	0.94
AK-N13-1_30c	sediment	Flatraket	38.71	0.00	21.83	0.03	24.29	2.07	7.90	4.55	0.50	99.88	30.11	52.93	12.48	4.48
AK-N13-1_30r	sediment	Flatraket	38.91	0.00	22.01	0.00	25.62	2.31	7.87	3.11	0.00	99.84	30.51	55.72	8.68	5.10
AK-N13-1_32c	sediment	Flatraket	38.63	0.05	21.76	0.00	25.61	0.69	6.85	6.03	0.45	100.06	26.17	55.77	16.56	1.50
AK-N13-1_32r	sediment	Flatraket	38.29	0.04	21.28	0.01	26.09	0.74	6.38	5.94	0.20	98.97	24.72	57.10	16.55	1.63
AK-N13-1_33c	sediment	Flatraket	39.50	0.04	22.18	0.00	21.35	0.62	10.11	5.66	0.50	99.97	37.78	45.68	15.21	1.32
AK-N13-1_33r	sediment	Flatraket	39.22	0.00	21.81	0.00	20.50	0.64	8.96	7.63	1.00	99.75	33.43	44.77	20.44	1.36
AK-N13-1_34c	sediment	Flatraket	37.97	0.00	20.98	0.04	24.20	1.08	3.23	11.21	1.60	100.32	12.28	54.73	30.66	2.32
AK-N13-1_34r	sediment	Flatraket	38.06	0.00	20.81	0.02	24.12	0.87	3.50	11.15	1.12	99.65	13.40	54.01	30.70	1.89
AK-N13-1_35c	sediment	Flatraket	38.57	0.00	21.28	0.01	25.79	1.30	6.54	5.73	0.80	100.03	24.91	56.60	15.69	2.80
AK-N13-1_35r	sediment	Flatraket	38.59	0.00	21.17	0.01	25.84	1.16	6.69	5.63	0.90	99.97	25.40	56.75	15.35	2.50
AK-N13-1_36c	sediment	Flatraket	38.47	0.00	20.94	0.01	25.67	1.64	5.94	6.32	0.79	99.77	22.65	56.47	17.33	3.55
AK-N13-1_36r	sediment	Flatraket	38.11	0.00	20.89	0.01	26.57	2.05	4.87	6.44	0.86	99.80	18.72	59.01	17.80	4.47
AK-N13-1_37c	sediment	Flatraket	38.02	0.00	21.32	0.01	28.08	3.42	5.79	2.82	0.53	99.99	22.45	62.15	7.86	7.55

AK-N13-1_37r	sediment	Flatraket	37.54	0.00	21.16	0.03	27.58	5.48	4.50	2.92	0.53	99.74	17.67	61.85	8.25	12.23
AK-N13-1_38c	sediment	Flatraket	38.97	0.00	21.37	0.00	21.93	0.63	7.97	7.67	1.38	99.93	29.69	48.44	20.54	1.33
AK-N13-1_38r	sediment	Flatraket	38.91	0.00	21.70	0.00	21.76	0.61	7.96	7.78	0.55	99.27	30.18	47.32	21.19	1.31
AK-N13-1_41c	sediment	Flatraket	38.25	0.00	21.03	0.01	25.84	0.75	3.70	9.79	0.64	100.01	14.24	57.05	27.07	1.64
AK-N13-1_41r	sediment	Flatraket	38.25	0.00	21.18	0.01	24.48	0.49	4.07	10.55	0.84	99.86	15.60	54.28	29.07	1.06
AK-N13-1_42c	sediment	Flatraket	38.55	0.00	21.28	0.01	26.20	0.54	5.92	6.86	0.73	100.09	22.59	57.44	18.80	1.18
AK-N13-1_42r	sediment	Flatraket	38.34	0.00	21.32	0.00	25.69	0.56	6.14	6.74	0.75	99.54	23.54	56.69	18.56	1.21
AK-N13-1_43c	sediment	Flatraket	38.36	0.04	21.24	0.00	26.27	0.98	6.16	5.98	0.64	99.68	23.63	57.75	16.48	2.14
AK-N13-1_43r	sediment	Flatraket	37.89	0.00	21.03	0.01	25.13	1.60	4.92	7.63	1.13	99.35	18.95	56.45	21.11	3.49
AK-N13-1_44c	sediment	Flatraket	38.62	0.00	21.19	0.03	25.81	0.80	5.60	7.47	0.86	100.38	21.26	56.63	20.38	1.73
AK-N13-1_44r	sediment	Flatraket	38.70	0.05	21.22	0.04	25.75	0.77	4.95	8.48	0.00	99.97	19.09	55.70	23.51	1.69
AK-N13-1_45c	sediment	Flatraket	38.85	0.00	21.80	0.01	22.27	0.63	6.72	9.03	0.86	100.17	25.37	48.78	24.50	1.36
AK-N13-1_45r	sediment	Flatraket	38.82	0.00	21.40	0.01	22.42	0.80	6.40	9.20	0.62	99.67	24.28	48.90	25.10	1.72
AK-N13-1_46c	sediment	Flatraket	38.71	0.05	21.57	0.00	24.66	0.45	6.64	7.32	0.73	100.13	25.18	53.89	19.96	0.97
AK-N13-1_46r	sediment	Flatraket	38.54	0.00	21.82	0.00	24.66	0.48	6.77	6.92	0.66	99.85	25.87	54.10	18.98	1.04
AK-N13-1_47c	sediment	Flatraket	38.30	0.00	21.27	0.01	25.65	0.93	4.23	9.10	1.13	100.63	16.10	56.96	24.91	2.02
AK-N13-1_47r	sediment	Flatraket	37.92	0.04	20.96	0.02	26.63	1.13	4.99	6.80	0.97	99.47	19.23	59.46	18.83	2.47
AK-N13-1_48c	sediment	Flatraket	38.56	0.04	21.61	0.01	25.36	0.57	4.50	9.51	0.31	100.47	17.29	55.22	26.24	1.24
AK-N13-1_48r	sediment	Flatraket	38.52	0.05	21.62	0.04	26.49	0.65	4.84	7.86	0.00	100.06	18.80	57.79	21.97	1.44
AK-N13-1_49c	sediment	Flatraket	38.42	0.46	21.25	0.02	23.66	0.52	6.49	8.27	0.74	99.82	24.61	51.74	22.53	1.12
AK-N13-1_49r	sediment	Flatraket	38.32	0.00	21.52	0.00	22.94	0.44	5.51	9.85	1.56	100.14	20.81	51.54	26.71	0.93
AK-N13-1_50c	sediment	Flatraket	38.50	0.00	21.66	0.00	26.03	0.61	6.60	5.95	0.51	99.88	25.31	56.98	16.38	1.33
AK-N13-1_50r	sediment	Flatraket	38.46	0.05	21.67	0.00	25.47	0.63	6.95	5.88	0.80	99.90	26.49	56.04	16.10	1.37
AK-N13-1_51c	sediment	Flatraket	38.54	0.00	21.62	0.03	25.91	0.53	6.42	6.39	0.54	99.98	24.59	56.68	17.58	1.16
AK-N13-1_51r	sediment	Flatraket	38.50	0.00	21.63	0.00	24.95	0.51	5.72	8.09	0.01	99.42	22.16	54.21	22.51	1.13
AK-N13-1_52c	sediment	Flatraket	39.00	0.00	21.89	0.00	24.15	0.43	8.12	5.91	0.84	100.34	30.56	52.55	15.97	0.92
AK-N13-1_52r	sediment	Flatraket	38.78	0.00	21.54	0.01	24.39	0.41	7.47	6.44	0.37	99.40	28.52	52.94	17.66	0.89
AK-N13-1_1c	sediment	Runde	39.75	0.07	22.19	0.01	18.25	0.52	8.58	10.56	0.54	100.47	31.79	38.98	28.14	1.09
AK-N13-1_1r	sediment	Runde	39.66	0.05	22.49	0.00	18.27	0.44	8.45	10.69	0.18	100.23	31.61	38.70	28.75	0.94
AK-N13-1_2c	sediment	Runde	38.50	0.00	21.54	0.00	26.42	0.75	5.91	6.50	0.95	100.57	22.46	58.15	17.77	1.62
AK-N13-1_2r	sediment	Runde	38.11	0.00	21.36	0.00	26.25	0.82	5.96	6.15	0.68	99.32	22.99	58.16	17.06	1.79
AK-N13-1_3c	sediment	Runde	39.17	0.06	21.84	0.02	21.69	0.48	6.41	10.37	0.13	100.17	24.30	46.39	28.27	1.04
AK-N13-1_3r	sediment	Runde	39.27	0.00	21.89	0.02	22.45	0.55	6.42	9.77	0.07	100.43	24.35	47.87	26.61	1.17
AK-N13-1_4c	sediment	Runde	38.15	0.05	21.44	0.00	25.02	0.55	4.83	8.95	0.88	99.88	18.55	55.56	24.68	1.21
AK-N13-1_4r	sediment	Runde	38.01	0.00	21.29	0.00	24.99	0.52	4.95	8.67	1.10	99.53	18.99	55.96	23.93	1.13
AK-N13-1_5c	sediment	Runde	38.45	0.00	21.80	0.00	25.32	0.71	6.28	6.81	0.76	100.13	24.01	55.73	18.71	1.55
AK-N13-1_5r	sediment	Runde	38.17	0.00	21.74	0.00	25.19	0.83	6.23	6.65	1.07	99.86	23.81	56.11	18.27	1.80
AK-N13-1_6c	sediment	Runde	37.62	0.00	20.80	0.00	27.72	0.66	1.28	11.18	0.90	100.16	4.97	62.31	31.26	1.46
AK-N13-1_6r	sediment	Runde	37.42	0.06	21.15	0.00	27.60	1.77	1.51	9.92	0.60	100.03	5.92	62.08	28.04	3.96
AK-N13-1_7c	sediment	Runde	38.95	0.05	21.87	0.00	20.48	0.52	7.04	10.20	0.91	100.02	26.46	44.89	27.53	1.12

AK-N13-1_7r	sediment	Runde	39.15	0.00	21.77	0.05	20.49	0.49	7.19	10.16	0.82	100.11	26.95	44.64	27.36	1.05
AK-N13-1_9c	sediment	Runde	38.70	0.00	21.48	0.02	25.36	0.88	6.16	7.07	0.34	100.01	23.55	55.10	19.44	1.90
AK-N13-1_9r	sediment	Runde	38.37	0.00	21.58	0.01	25.80	1.24	5.66	6.82	0.66	100.14	21.70	56.78	18.81	2.70
AK-N13-1_10c	sediment	Runde	38.69	0.08	20.80	0.08	21.00	0.50	4.87	12.60	1.65	100.28	18.16	47.02	33.76	1.05
AK-N13-1_10r	sediment	Runde	38.66	0.00	21.62	0.10	22.02	0.68	5.42	10.81	0.96	100.28	20.53	48.60	29.41	1.46
AK-N13-1_11c	sediment	Runde	40.14	0.06	22.75	0.02	18.13	0.40	13.99	3.57	1.22	100.27	50.75	39.12	9.31	0.82
AK-N13-1_11r	sediment	Runde	40.16	0.00	22.28	0.01	18.12	0.42	13.65	4.01	1.09	99.74	49.66	38.98	10.48	0.88
AK-N13-1_12c	sediment	Runde	38.21	0.06	21.44	0.00	25.68	1.01	5.81	6.78	1.09	100.07	22.16	57.05	18.59	2.19
AK-N13-1_12r	sediment	Runde	38.92	0.08	21.61	0.01	26.51	1.12	5.60	6.79	0.00	100.62	21.55	57.24	18.78	2.44
AK-N13-1_13c	sediment	Runde	39.87	0.00	22.25	0.00	18.97	0.33	9.43	9.01	0.16	100.04	35.17	39.98	24.14	0.71
AK-N13-1_13r	sediment	Runde	38.86	0.00	21.83	0.05	20.16	0.69	7.82	9.11	1.07	99.59	29.40	44.54	24.59	1.47
AK-N13-1_14c	sediment	Runde	38.81	0.00	21.62	0.01	24.66	0.40	7.16	6.71	0.74	100.09	27.10	53.80	18.25	0.86
AK-N13-1_14r	sediment	Runde	38.43	0.00	21.71	0.02	25.95	0.52	6.26	6.51	0.41	99.80	24.07	56.81	17.99	1.13
AK-N13-1_15c	sediment	Runde	38.18	0.08	21.42	0.02	23.96	0.73	3.57	11.46	0.83	100.24	13.67	53.16	31.59	1.58
AK-N13-1_15r	sediment	Runde	38.58	0.07	21.75	0.00	23.31	2.66	3.31	10.99	0.00	100.66	12.82	50.70	30.63	5.85
AK-N13-1_16c	sediment	Runde	38.52	0.00	21.64	0.04	26.88	0.80	7.80	3.49	1.04	100.21	29.59	59.19	9.51	1.72
AK-N13-1_16r	sediment	Runde	38.55	0.00	21.70	0.01	25.61	0.79	6.91	5.75	0.21	99.52	26.60	55.75	15.93	1.72
AK-N13-1_17c	sediment	Runde	38.65	0.00	21.36	0.01	23.31	0.66	4.88	10.58	0.64	100.08	18.58	51.04	28.96	1.42
AK-N13-1_17r	sediment	Runde	38.15	0.04	20.97	0.00	22.99	1.07	4.67	10.35	1.12	99.37	17.85	51.43	28.41	2.31
AK-N13-1_18c	sediment	Runde	38.65	0.00	22.02	0.00	23.50	0.55	6.12	8.78	0.55	100.17	23.37	51.36	24.07	1.20
AK-N13-1_18r	sediment	Runde	38.42	0.04	21.27	0.03	25.57	1.25	5.16	7.76	0.10	99.59	19.97	55.72	21.58	2.74
AK-N13-1_19c	sediment	Runde	38.67	0.00	21.58	0.03	22.62	0.60	6.07	9.52	0.93	100.01	22.97	49.83	25.90	1.29
AK-N13-1_19r	sediment	Runde	39.35	0.00	22.01	0.00	23.03	0.63	5.57	10.20	0.00	100.80	21.29	49.34	28.00	1.36
AK-N13-1_20c	sediment	Runde	38.29	0.05	20.74	0.02	23.82	0.50	4.96	9.88	1.90	100.16	18.58	53.71	26.64	1.07
AK-N13-1_20r	sediment	Runde	38.10	0.00	20.89	0.01	23.56	0.64	5.02	9.68	1.79	99.69	18.98	53.36	26.28	1.38
AK-N13-1_21c	sediment	Runde	37.63	0.09	20.79	0.01	27.13	1.57	0.84	11.61	1.14	100.80	3.24	61.05	32.26	3.44
AK-N13-1_21r	sediment	Runde	37.54	0.11	20.53	0.00	28.23	1.44	0.93	10.64	0.47	99.90	3.66	63.10	30.03	3.21
AK-N13-1_22c	sediment	Runde	38.68	0.04	21.53	0.01	25.37	0.99	5.71	7.60	0.81	100.75	21.63	55.51	20.71	2.14
AK-N13-1_22r	sediment	Runde	38.51	0.00	21.32	0.00	23.53	2.01	5.67	8.11	0.52	99.66	21.72	51.58	22.32	4.37
AK-N13-1_23c	sediment	Runde	38.86	0.06	21.43	0.00	18.85	0.62	5.34	13.68	1.43	100.27	19.91	42.12	36.65	1.32
AK-N13-1_23r	sediment	Runde	38.67	0.06	21.67	0.02	20.78	0.95	5.44	11.59	1.02	100.20	20.53	45.97	31.46	2.04
AK-N13-1_24c	sediment	Runde	38.53	0.00	21.55	0.01	24.22	0.52	5.06	9.61	0.75	100.24	19.29	53.25	26.34	1.12
AK-N13-1_24r	sediment	Runde	38.68	0.00	21.43	0.00	23.64	1.34	5.23	9.32	0.60	100.24	19.92	51.67	25.50	2.91
AK-N13-1_25c	sediment	Runde	37.78	0.00	20.08	0.01	21.51	0.88	0.91	16.51	2.52	100.21	3.43	50.11	44.58	1.89
AK-N13-1_25r	sediment	Runde	38.16	0.05	21.41	0.01	21.00	0.94	0.84	17.34	0.47	100.22	3.26	46.48	48.19	2.07
AK-N13-1_26c	sediment	Runde	38.14	0.05	21.09	0.00	24.78	1.10	5.63	7.58	1.51	99.89	21.35	55.62	20.65	2.37
AK-N13-1_26r	sediment	Runde	38.13	0.00	21.18	0.01	28.06	1.53	4.61	6.06	0.39	99.97	17.89	61.84	16.89	3.38
AK-N13-1_27c	sediment	Runde	38.35	0.15	21.51	0.02	22.88	0.60	5.48	9.94	1.04	99.97	20.81	50.76	27.13	1.30
AK-N13-1_27r	sediment	Runde	38.57	0.08	21.31	0.01	23.23	0.72	5.25	10.06	1.34	100.56	19.74	51.54	27.19	1.53
AK-N13-1_28c	sediment	Runde	38.36	0.00	21.70	0.00	24.91	0.42	5.93	7.78	1.10	100.21	22.57	55.26	21.26	0.91

AK-N13-1_28r	sediment	Runde	38.88	0.04	21.79	0.01	24.65	0.94	6.28	7.57	0.00	100.17	24.07	53.01	20.86	2.06
AK-N13-1_29c	sediment	Runde	39.03	0.00	22.21	0.02	23.04	0.49	8.26	6.58	0.59	100.21	31.18	49.92	17.85	1.05
AK-N13-1_29r	sediment	Runde	38.79	0.00	21.69	0.02	23.71	0.73	7.03	7.34	0.74	100.05	26.63	51.82	19.98	1.57
AK-N13-1_30c	sediment	Runde	38.49	0.00	21.70	0.00	24.05	0.68	6.47	7.61	1.15	100.16	24.52	53.30	20.73	1.45
AK-N13-1_30r	sediment	Runde	39.01	0.00	21.76	0.01	24.25	0.93	5.56	8.75	0.00	100.27	21.38	52.37	24.21	2.04
AK-N13-1_31c	sediment	Runde	38.62	0.05	21.80	0.00	22.40	0.76	5.60	10.21	0.89	100.33	21.22	49.34	27.81	1.63
AK-N13-1_31r	sediment	Runde	38.79	0.00	21.57	0.01	22.43	1.19	6.11	9.25	0.96	100.31	23.05	49.30	25.09	2.56
AK-N13-1_32c	sediment	Runde	38.71	0.00	22.00	0.00	23.39	0.96	7.03	7.34	0.71	100.14	26.69	51.20	20.03	2.08
AK-N13-1_32r	sediment	Runde	38.78	0.00	21.82	0.02	23.74	1.02	6.12	8.22	0.00	99.71	23.61	51.36	22.80	2.23
AK-N13-1_33c	sediment	Runde	38.22	0.00	21.85	0.03	27.61	1.57	7.56	2.37	0.95	100.15	28.94	61.13	6.51	3.42
AK-N13-1_33r	sediment	Runde	38.33	0.00	21.67	0.02	28.29	1.49	7.26	2.41	0.07	99.55	28.20	61.77	6.74	3.29
AK-N13-1_34c	sediment	Runde	38.48	0.04	21.72	0.00	24.62	0.62	5.82	8.14	1.03	100.48	22.08	54.38	22.20	1.34
AK-N13-1_34r	sediment	Runde	38.50	0.04	21.84	0.01	24.58	1.15	6.09	7.40	0.89	100.51	23.16	54.15	20.21	2.48
AK-N13-1_35c	sediment	Runde	38.77	0.00	21.92	0.02	25.15	0.99	7.23	5.71	0.47	100.27	27.55	54.66	15.65	2.14
AK-N13-1_35r	sediment	Runde	39.20	0.00	21.99	0.00	25.87	1.15	7.42	4.48	0.00	100.11	28.74	56.25	12.49	2.52
AK-N13-1_36c	sediment	Runde	38.70	0.00	22.02	0.06	27.65	0.51	7.60	3.56	0.26	100.36	29.13	59.96	9.80	1.11
AK-N13-1_36r	sediment	Runde	38.30	0.00	21.77	0.13	29.98	1.09	5.10	4.00	0.00	100.37	20.05	66.18	11.32	2.45
AK-N13-1_37c	sediment	Runde	38.66	0.00	21.72	0.01	28.90	1.16	7.69	1.90	0.48	100.52	29.39	62.86	5.22	2.53
AK-N13-1_37r	sediment	Runde	38.98	0.05	21.87	0.01	28.41	1.07	7.97	1.95	0.00	100.30	30.74	61.51	5.40	2.34
AK-N13-1_38c	sediment	Runde	39.01	0.00	21.43	0.00	22.61	0.62	5.89	10.08	0.75	100.37	22.18	49.20	27.29	1.33
AK-N13-1_38r	sediment	Runde	38.73	0.05	21.33	0.00	23.35	1.35	5.55	9.16	0.58	100.10	21.12	50.92	25.04	2.92
AK-N13-1_39c	sediment	Runde	38.75	0.00	21.85	0.00	23.57	0.64	6.28	8.53	0.88	100.50	23.75	51.70	23.18	1.37
AK-N13-1_39r	sediment	Runde	38.15	0.06	21.35	0.00	24.61	1.41	5.16	8.14	0.51	99.39	19.95	54.34	22.61	3.10
AK-N13-1_40c	sediment	Runde	38.52	0.04	21.80	0.01	23.94	0.57	6.06	8.41	1.23	100.59	22.90	53.06	22.83	1.21
AK-N13-1_40r	sediment	Runde	38.65	0.00	21.71	0.00	23.13	1.19	6.51	8.02	0.89	100.10	24.68	50.90	21.87	2.55
AK-N13-1_42c	sediment	Runde	38.47	0.00	21.34	0.00	22.97	0.67	4.81	10.75	1.09	100.11	18.27	50.98	29.31	1.44
AK-N13-1_42r	sediment	Runde	37.88	0.00	20.94	0.00	27.41	4.81	2.59	6.56	0.01	100.20	10.19	60.51	18.54	10.76
AK-N13-1_43c	sediment	Runde	38.72	0.00	21.83	0.00	23.11	0.52	6.05	9.27	0.42	99.92	23.12	50.33	25.43	1.12
AK-N13-1_43r	sediment	Runde	38.55	0.00	21.77	0.01	21.83	0.98	6.78	8.73	0.66	99.32	25.90	48.01	23.96	2.13
AK-N13-1_44c	sediment	Runde	38.68	0.00	21.18	0.07	22.82	0.58	5.89	9.63	1.22	100.08	22.18	50.53	26.05	1.24
AK-N13-1_44r	sediment	Runde	38.67	0.00	20.92	0.06	22.67	0.67	5.78	9.84	1.12	99.71	21.80	50.10	26.67	1.43
AK-N13-1_45c	sediment	Runde	39.50	0.00	21.84	0.00	21.54	0.42	10.06	5.72	0.70	99.79	37.48	46.30	15.32	0.90
AK-N13-1_45r	sediment	Runde	39.16	0.00	21.88	0.00	21.68	0.54	9.61	5.83	0.74	99.45	36.06	47.05	15.74	1.15
AK-N13-1_46c	sediment	Runde	38.77	0.04	21.58	0.00	25.39	0.79	6.63	6.56	0.72	100.48	25.11	55.34	17.85	1.70
AK-N13-1_46r	sediment	Runde	38.34	0.00	21.58	0.01	26.75	0.99	5.92	5.88	0.34	99.81	22.87	58.63	16.33	2.17
AK-N13-1_47c	sediment	Runde	38.64	0.00	21.72	0.00	23.36	0.52	6.18	8.81	0.67	99.91	23.55	51.20	24.12	1.13
AK-N13-1_47r	sediment	Runde	38.76	0.05	21.41	0.02	23.63	0.61	5.79	9.23	0.85	100.35	21.90	51.72	25.07	1.31
AK-N13-1_48c	sediment	Runde	38.35	0.00	21.58	0.02	24.73	0.96	6.23	7.06	0.94	99.86	23.79	54.76	19.38	2.08
AK-N13-1_48r	sediment	Runde	38.80	0.05	21.67	0.00	24.57	2.00	6.51	6.34	0.00	99.94	25.04	53.05	17.53	4.38
AK-N13-1_49c	sediment	Runde	38.75	0.00	21.44	0.12	21.01	0.92	7.22	9.00	1.27	99.73	27.09	46.66	24.29	1.96

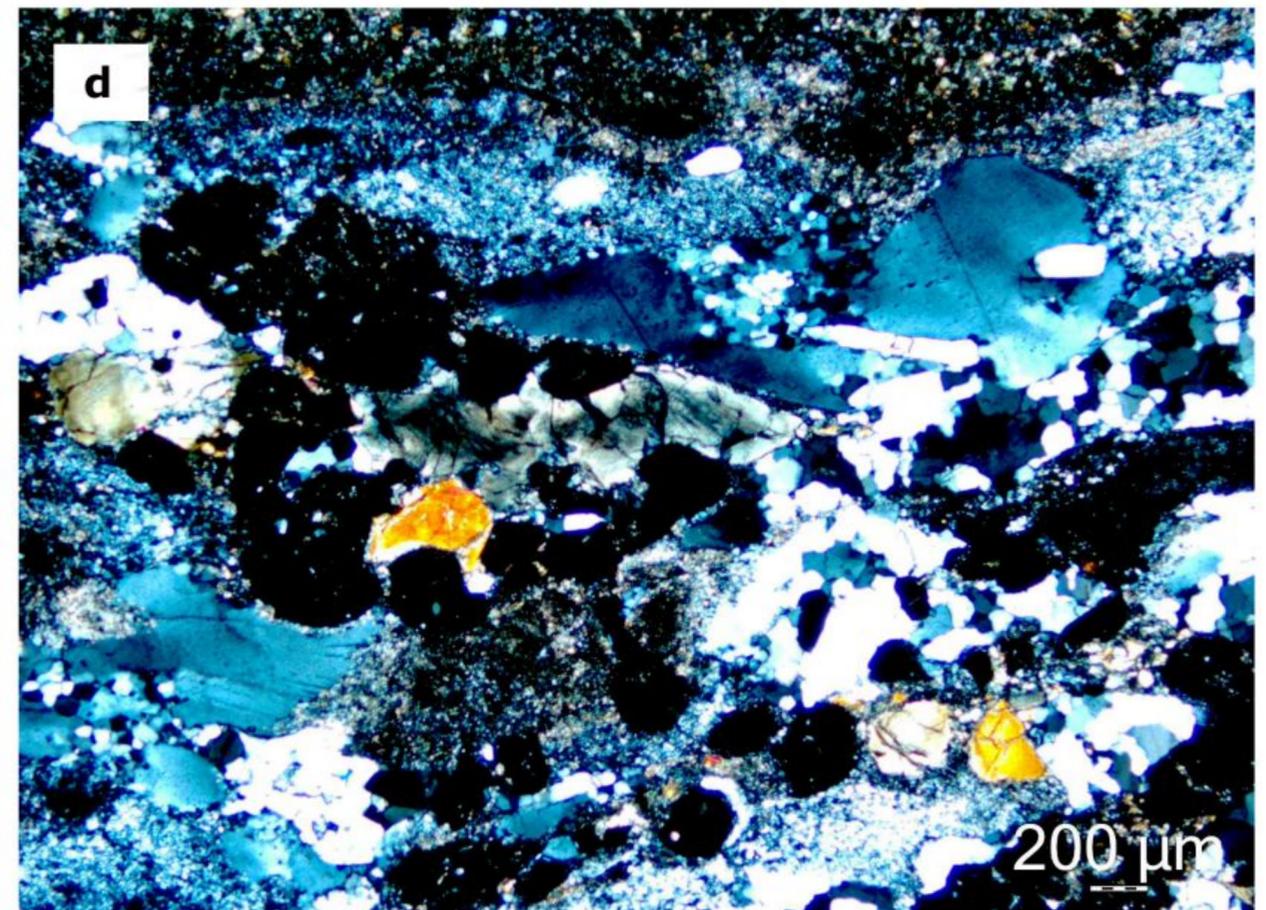
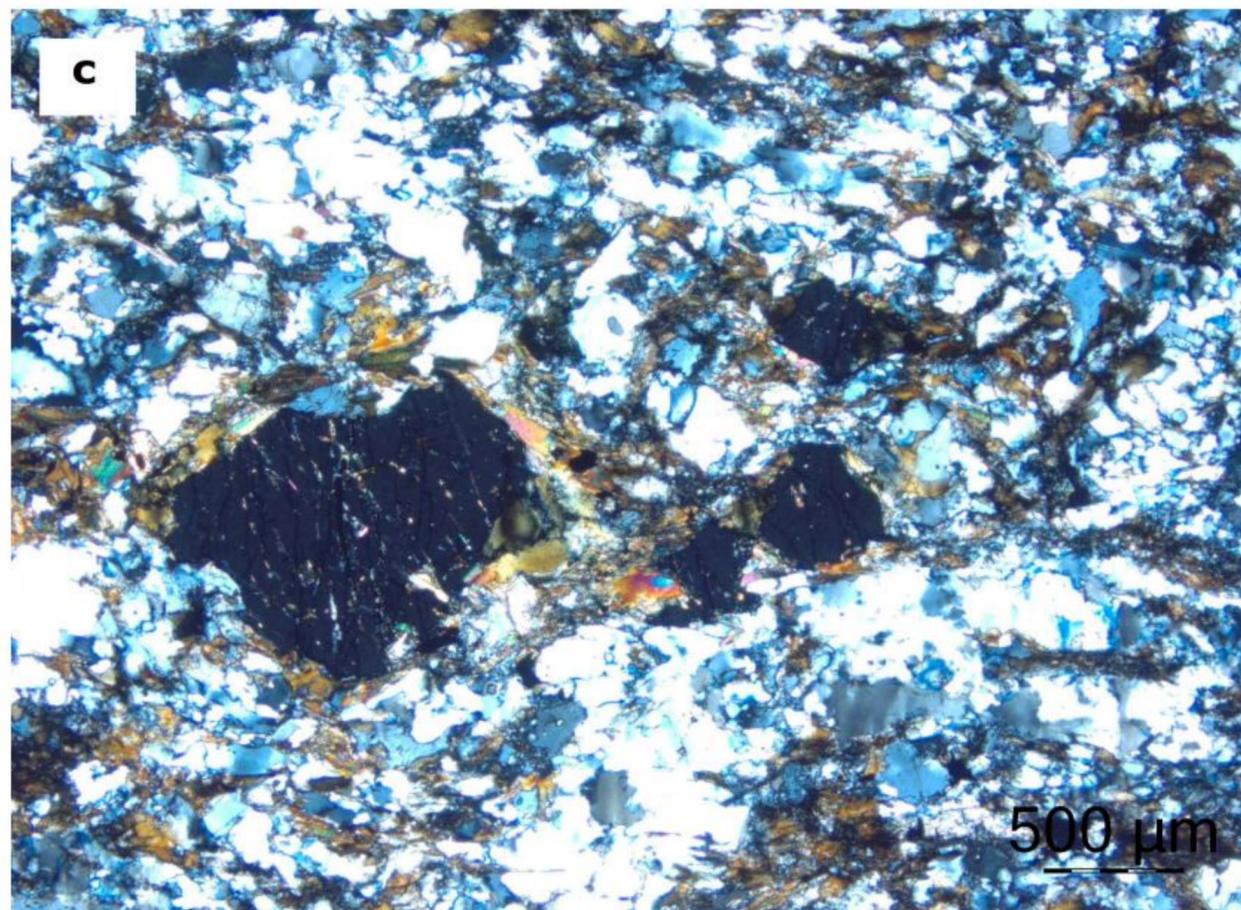
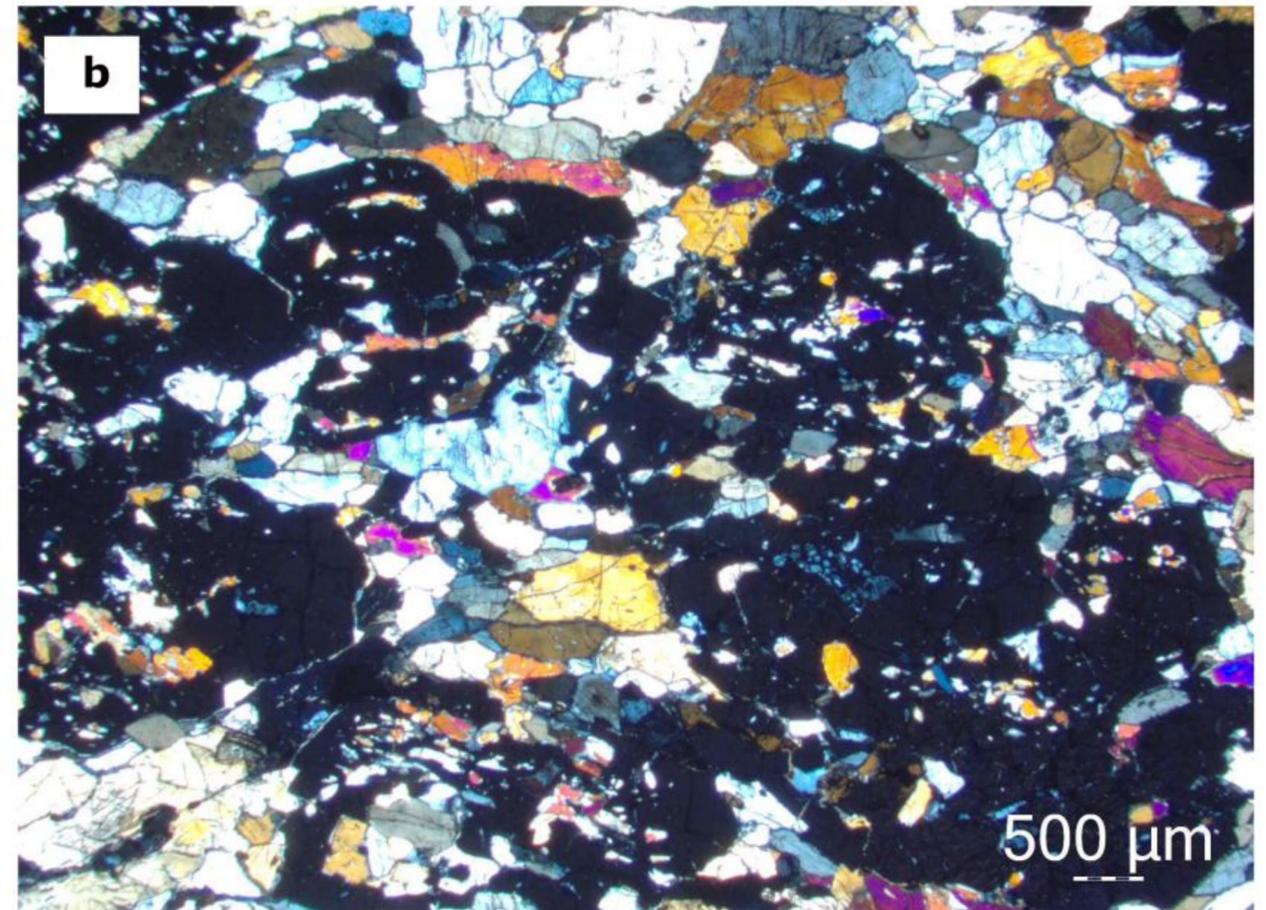
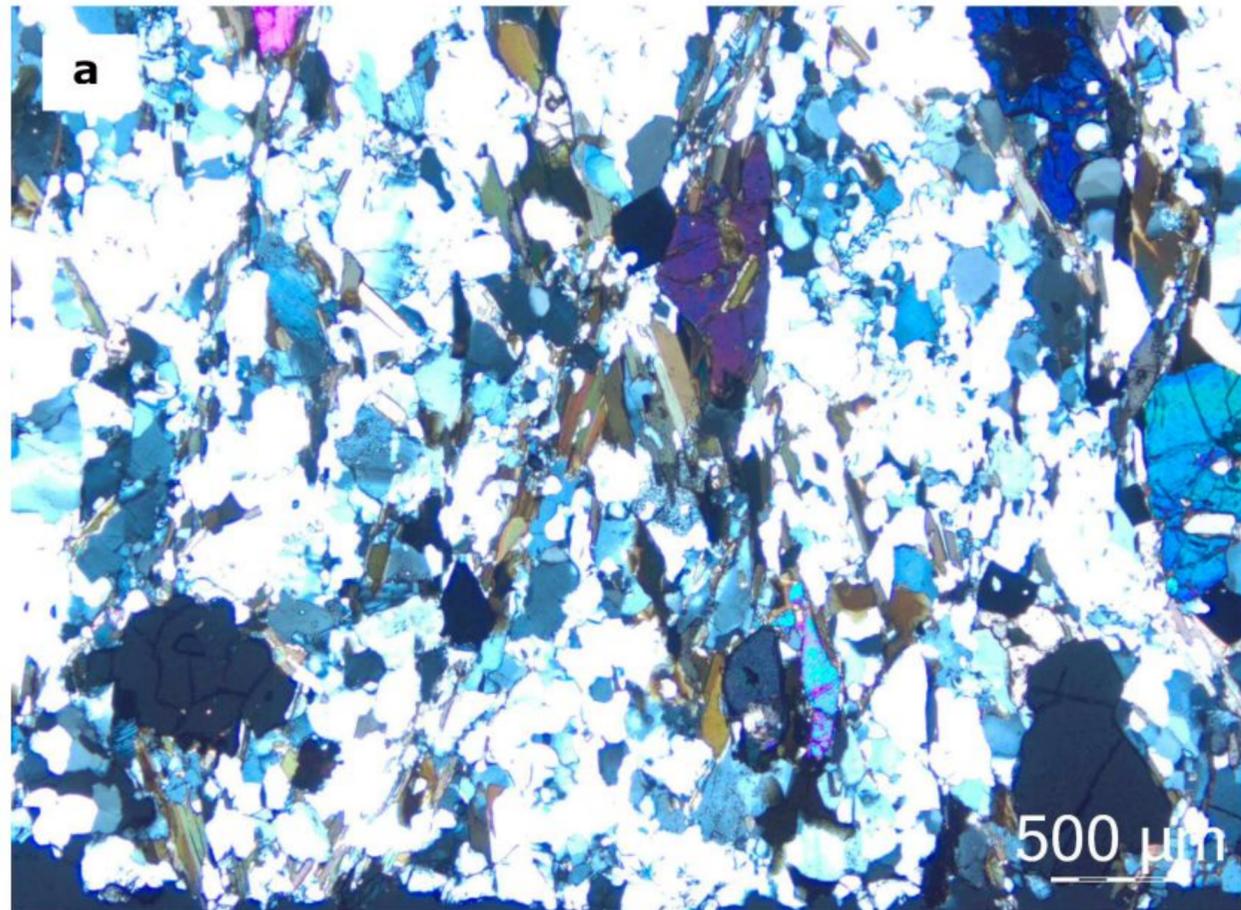
AK-N13-1_49r	sediment	Runde	39.15	0.04	21.46	0.09	20.24	0.52	7.87	9.41	1.05	99.84	29.34	44.33	25.22	1.11
AK-N13-1_50c	sediment	Runde	38.21	0.00	21.64	0.00	24.53	0.43	4.40	10.05	0.99	100.25	16.83	54.58	27.65	0.94
AK-N13-1_50r	sediment	Runde	38.36	0.00	21.41	0.00	23.23	1.16	6.50	7.72	1.01	99.38	24.75	51.60	21.14	2.51

Table S4: Content of heavy minerals from the rock formations of Flakraket, Ulvesund, and Runde. Hbl: hornblende, Ep: epidote, Zo: zoisite, Czo: clinozoisite, Grt: garnet, Ky: kyanite, Cpx: Clinopyroxene, Omp: Omphacite, Amp: Amphibole, Ilm: Ilmenite, Aug: Augite, Opx: Orthopyroxene, Spn: titanite, Rt: rutile

	metamorphic facies/Rock type	Gneiss (felsic, intermediate, megacrystic)	Garnetiferous gneiss	Mafic dykes, layers, pods	Meta-anorthosite	Allochthonous
Flakraket	amphibolite facies ¹	Hbl, ± Czo, ± Zo, ± Grt	Hbl, ± Czo, ± Zo, ± Grt	Amp, Ep (symplectite)	Amp, Czo, Ep, Ky	
	granulite facies ¹	Grt, Ilm, ±Aug, ± Hbl, ± Grt	Grt, Aug, ± Ilm	Grt, Aug, Ilm	Grt, Aug, Opx, ± Ilm	-
	eclogite facies ¹	-	Omp, Grt, ± Rt, ± Zo	Grt, Omp, Cpx, ± Zo, ± Ky, ± Rt	Zo, Ky, ± Grt, ± Omp, ± Rt	
Ulvesund	amphibolite facies ¹	Ep, ± Hbl	Ep, Hbl, ± Grt, ± Spn	Hbl, Ep (symplectite), Ep		
	granulite facies ¹	Grt	Grt, Cpx	Grt, Cpx	-	-
	eclogite facies ¹	-	Zo, Grt, Cpx, ± Rt, ± Ky	Grt, Omp, Cpx, ± Zo		
Runde	amphibolite facies	Hbl, ± Czo, ± Zo, ± Grt ²				
	granulite facies	Grt, Ilm, ±Aug, ± Hbl, ± Grt ²			-	Hbl, Grt, Ky ²
	eclogite facies			Grt, Cpx, Rt ²		

- ¹ Krabbendam, M., Wain, A., Andersen, T.B., 2000. Pre-Caledonian granulite and gabbro enclaves in the Western Gneiss Region, Norway: indications of incomplete transition at high pressure. *Geological Magazine* 137, 235–255.
- ² Root, D.B., Hacker, B.R., Mattinson J.M., Wooden J.L., 2004. Zircon geochronology and ca. 400 Ma exhumation of Norwegian ultrahigh-pressure rocks: an ion microprobe and chemical abrasion study. *Earth and Planetary Science Letters* 228, 325– 341.

Table S5: Thin sections of some hardrocks showing grain sizes of garnets. a) Thin section from sample AK-N13-2c under crossed nicols. b) Thin section from sample AK-N13-2a under crossed nicols. c) Thin section from sample AK-N39-1 under crossed nicols. d) Thin section from sample AK-N9-1 under crossed nicols.



Chapter VI: Supplementary data

➤ Appendix A

Appendix A. Supplementary data

Key	
A1	eclogite metaigneous mafic middle/higher metamorphic grade
A2	eclogite metaigneous felsic middle/higher metamorphic grade
A3	eclogite metaigneous mafic lower metamorphic grade
A4	eclogite metaigneous felsic lower metamorphic grade
A5	eclogite metaigneous UHP
A6	eclogite metasedimentary middle/higher metamorphic grade
A7	eclogite metasedimentary lower metamorphic grade

B1	amphibolite metaigneous mafic middle/higher metamorphic grade
B2	amphibolite metaigneous felsic middle/higher metamorphic grade
B3	amphibolite metaigneous mafic lower metamorphic grade
B4	amphibolite metaigneous felsic lower metamorphic grade
B5	amphibolite metasedimentary middle/higher metamorphic grade
B6	amphibolite metasedimentary lower metamorphic grade

C1	granulite metaigneous mafic middle/higher metamorphic grade
C2	granulite metaigneous felsic middle/higher metamorphic grade
C3	granulite metaigneous mafic lower metamorphic grade
C4	granulite metaigneous felsic lower metamorphic grade
C5	granulite metasedimentary middle/higher metamorphic grade
C6	granulite metasedimentary lower metamorphic grade

D	ultramafic
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E1	magmatic plutonic felsic
E2	magmatic plutonic mafic
E3	magmatic volcanic felsic
E4	magmatic volcanic mafic

F1	metasedimentary felsic greenschist facies
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Major element composition of garnets of the specific groups in wt. %. Data are taken from the compiled database (see Appendix A, Chapter II)

Sample	SiO ₂	TiO ₂	Al ₂ O ₃	Cr ₂ O ₃	FeO	Fe ₂ O ₃	MnO	MgO	CaO
A1	40.22		22.45		19.92		0.72	10.94	6.51
A1	40.05		22.30		19.05		0.70	11.55	6.82
A1	39.73		22.39		21.77		0.65	9.08	7.34
A1	40.19		22.63		18.50		0.69	10.41	8.30
A1	39.51		22.33		21.59		0.67	9.79	6.81
A1	40.50		22.78		19.24		0.55	11.72	6.46
A1	39.97		22.25		22.05		0.83	9.99	6.43
A1	39.58		22.27		23.20		0.70	8.61	6.63
A1	39.87		22.51		19.76		0.69	9.99	7.63
A1	38.77		21.85		23.17		0.67	8.45	6.56
A1	39.83		22.49		20.89		0.61	10.40	6.44
A1	39.55		22.39		22.79		0.51	9.07	6.33
A1	39.89		22.03		20.26		0.58	10.87	6.62
A1	39.55		21.95		22.34		0.64	9.49	6.40
A1	39.34		22.87		22.76		0.64	7.87	7.89
A1	39.46		22.66		22.17		0.74	9.29	6.95
A1	36.98	0.09	23.16		20.54	0.80	0.47	8.96	8.60
A1	38.85	0.02	22.94		17.68	0.24	0.26	11.93	7.85
A1	38.85	0.14	23.62		18.48	0.24	0.22	10.94	7.54
A1	38.14	0.22	22.16		22.80	0.64	0.53	5.92	9.60
A1	37.30	0.11	23.98		20.43	0.46	0.20	8.62	8.40
A1	38.84	0.08	22.85		18.16	0.11	0.64	10.16	8.43
A1	38.93	0.01	21.82	0.01	24.85		0.57	5.34	9.22
A1	39.08	0.01	21.58	0.01	25.21		0.55	5.37	9.28
A1	38.99	0.01	22.00	0.04	25.15		0.55	5.53	8.77
A1	38.88	0.01	21.62	0.01	25.82		0.61	5.70	8.19
A1	39.32	0.01	21.71	0.01	25.41		0.63	6.03	8.28
A1	38.96	0.15	21.50	0.01	25.25		0.72	5.76	8.46
A1	39.03	0.01	21.68	0.01	24.61		0.56	5.52	9.27
A1	38.82	0.01	21.76	0.01	25.53		0.60	5.34	8.85
A1	39.01	0.12	21.51	0.01	25.87		0.58	6.03	8.21
A1	39.18	0.01	21.94	0.01	24.75		0.54	5.58	9.37
A1	39.12	0.01	21.69	0.01	26.02		0.55	6.04	7.93
A1	39.17	0.01	21.81	0.01	25.02		0.61	5.25	9.67
A1	39.00	0.01	21.81	0.01	25.15		0.56	5.77	9.09
A1	39.33	0.01	21.88	0.01	25.30		0.59	5.76	8.46
A1	39.25	0.01	21.78	0.01	24.36		0.51	5.59	9.72
A1	39.08	0.01	21.86	0.01	23.96		0.47	5.42	10.67
A1	38.96	0.01	21.86	0.01	23.82		0.51	5.43	10.29
A1	39.36	0.01	22.07	0.01	23.88		0.49	5.37	10.55
A1	38.82	0.01	21.79	0.01	25.61		0.90	5.35	8.60
A1	38.75	0.01	21.67	0.01	25.55		0.60	5.81	8.75
A1	39.01	0.01	21.74	0.01	25.03		0.78	5.75	8.92
A1	39.27	0.01	21.63	0.01	23.74		0.54	5.44	10.34
A1	39.06	0.01	21.73	0.01	25.21		0.59	5.32	9.57
A1	38.82	0.01	21.80	0.01	24.04		0.50	5.22	10.60
A1	38.78	0.01	21.80	0.01	24.81		0.48	5.90	9.21
A1	39.06	0.08	21.56	0.01	26.29		0.46	6.20	7.79
A1	38.69	0.07	21.60	0.01	25.93		0.36	5.88	8.43

A1	38.70	0.01	21.62	0.01	25.57		0.52	5.82	8.77
A1	39.19	0.07	21.65	0.01	25.38		0.44	6.03	8.48
A1	39.19	0.01	21.93	0.01	25.71		0.55	6.09	7.94
A1	38.94	0.01	21.95	0.01	26.16		0.43	6.24	8.04
A1	38.57	0.01	21.51	0.01	26.58		0.52	6.11	7.62
A1	38.74	0.01	21.58	0.01	26.59		0.72	5.83	7.65
A1	39.10	0.01	21.90	0.01	25.53		0.49	6.24	8.06
A1	38.95	0.01	21.92	0.01	24.86		0.57	5.54	9.62
A1	38.94	0.10	21.61	0.01	26.38		0.25	5.75	8.38
A1	38.77	0.01	21.65	0.01	25.74		0.35	6.09	8.61
A1	38.96	0.01	21.76	0.01	23.49		0.50	5.39	10.86
A1	38.76	0.01	21.84	0.01	25.10		0.49	5.93	8.76
A1	39.08	0.01	21.76	0.01	25.72		0.61	5.98	8.34
A1	39.19	0.01	21.73	0.01	23.62		0.50	5.41	10.99
A1	38.73	0.01	21.73	0.01	23.61		0.49	5.42	10.61
A1	39.12	0.09	21.87	0.01	25.43		0.61	5.66	8.75
A1	39.18	0.01	21.55	0.01	26.00		0.55	5.83	8.41
A1	38.70	0.09	21.29	0.01	26.03		0.58	5.37	9.17
A1	38.98	0.01	22.00	0.01	25.84		0.50	6.39	7.46
A1	38.98	0.01	22.04	0.01	26.21		0.54	6.33	7.41
A1	39.14	0.01	21.52	0.01	25.89		0.69	5.87	8.75
A1	39.01	0.01	21.76	0.01	25.21		0.51	6.03	8.63
A1	39.02	0.01	21.62	0.01	25.08		0.58	5.58	9.46
A1	39.17	0.01	21.77	0.01	25.80		0.56	6.09	8.14
A1	39.06	0.09	21.40	0.01	25.57		0.78	5.98	8.18
A1	39.04	0.16	21.42	0.01	25.99		0.90	4.84	9.09
A1	38.89	0.01	21.47	0.01	25.37		0.64	5.93	8.81
A1	39.06	0.01	21.97	0.04	25.68		0.52	6.29	7.81
A1	39.02	0.08	21.41	0.01	25.66		0.56	5.92	8.47
A1	39.00	0.01	21.73	0.01	24.60		0.56	4.96	10.46
A1	38.89	0.08	21.41	0.01	26.17		0.65	6.14	7.58
A1	39.10	0.01	21.70	0.01	25.48		0.53	5.68	8.90
A1	39.12	0.01	21.71	0.01	24.22		0.52	5.47	10.07
A1	38.88	0.01	21.50	0.01	25.14		0.51	5.87	8.98
A1	38.93	0.01	21.68	0.01	25.21		0.46	5.79	8.95
A1	39.25	0.11	21.79	0.01	25.93		0.33	5.81	8.39
A1	39.33	0.01	21.70	0.01	23.74		0.47	5.28	10.82
A1	39.16	0.01	21.53	0.04	24.96		0.49	5.62	9.30
A1	39.16	0.09	21.51	0.01	25.35		0.51	6.10	8.01
A1	38.90	0.01	21.45	0.01	25.89		0.54	5.84	8.52
A1	38.70	0.13	21.07	0.01	26.17		0.52	6.09	7.88
A1	38.79	0.01	21.64	0.01	23.96		0.51	5.42	10.45
A1	39.07	0.01	21.66	0.01	24.96		0.52	5.71	9.36
A1	39.24	0.01	21.58	0.01	24.16		0.52	5.32	10.58
A1	39.06	0.01	21.64	0.01	25.95		0.59	6.03	7.92
A1	39.03	0.01	21.77	0.01	24.18		0.51	5.48	10.23
A1	38.99	0.01	21.41	0.01	26.07		0.68	6.21	7.63
A1	39.13	0.01	21.90	0.01	24.06		0.48	5.66	10.14
A1	38.66	0.01	21.43	0.01	25.57		0.70	5.36	9.34
A1	38.98	0.01	21.76	0.01	24.90		0.57	5.82	9.10

A1	38.69	0.01	21.39	0.01	25.05		0.56	5.57	9.41
A1	39.19	0.01	21.70	0.01	23.63		0.48	5.50	10.84
A1	38.84	0.12	21.31	0.01	25.22		0.53	5.50	9.74
A1	38.96	0.01	21.64	0.01	23.84		0.51	5.43	10.78
A1	39.20	0.01	21.74	0.01	25.46		0.50	6.37	8.18
A1	38.94	0.01	21.68	0.01	23.81		0.48	5.20	11.03
A1	39.00	0.01	21.64	0.01	25.90		0.55	6.14	7.89
A1	38.71	0.01	21.53	0.01	23.53		0.49	5.19	11.18
A1	38.90	0.01	21.77	0.01	26.04		0.75	5.75	8.06
A1	38.70	0.01	21.52	0.01	25.40		0.73	5.33	8.73
A1	38.16	0.01	21.42	0.01	27.00		0.59	5.73	7.58
A1	38.88	0.01	21.66	0.01	23.99		0.48	5.34	10.57
A1	38.81	0.01	21.48	0.01	23.53		0.44	5.43	10.89
A1	38.49	0.01	21.43	0.01	25.48		0.49	6.16	8.22
A1	38.20	0.01	21.52	0.01	24.00		0.52	5.32	10.53
A1	38.83	0.01	21.56	0.01	23.62		0.50	5.33	11.03
A1	38.74	0.01	21.47	0.01	23.56		0.48	5.59	10.68
A1	38.33	0.16	20.93	0.01	29.13		0.63	3.36	7.95
A1	37.99	0.13	21.11	0.01	29.64		1.81	2.63	7.40
A1	39.38	0.01	22.20	0.01	21.62		0.40	5.34	12.17
A1	39.11	0.01	21.77	0.15	28.05		0.43	5.79	5.90
A1	38.94	0.01	21.74	0.01	27.16		0.24	6.43	6.17
A1	39.14	0.01	21.60	0.10	28.59		0.55	5.27	6.29
A1	39.29	0.01	21.97	0.08	26.99		0.41	5.89	6.60
A1	38.99	0.09	21.70	0.01	27.60		0.31	5.64	6.42
A1	39.16	0.01	22.03	0.01	26.93		0.46	6.13	6.19
A1	38.53	0.09	21.46	0.01	29.39		0.60	3.91	7.07
A1	38.16	0.09	21.38	0.01	31.04		0.54	3.05	6.89
A1	38.34	0.11	21.46	0.01	30.56		0.50	3.23	6.99
A1	38.98	0.01	21.93	0.01	27.24		0.30	6.37	6.06
A1	40.04	0.01	22.62	0.09	20.58		0.22	9.23	8.15
A1	39.29	0.01	22.12	0.01	25.30		0.42	6.75	6.89
A1	39.40	0.01	22.04	0.01	25.35		0.49	6.30	7.08
A1	39.00	0.01	21.99	0.01	27.85		0.39	5.91	5.98
A1	38.91	0.01	21.94	0.01	27.87		0.51	5.45	6.04
A1	39.90	0.01	22.42	0.01	21.62		0.20	8.68	7.67
A1	38.48	0.17	21.54	0.01	28.01		1.50	3.68	8.08
A1	38.87	0.08	21.73	0.01	28.47		0.77	4.64	6.65
A1	38.90	0.01	21.70	0.01	28.13		0.74	5.10	6.38
A1	39.20	0.01	21.99	0.10	27.30		0.38	6.47	6.03
A1	40.06	0.01	22.57	0.01	21.97		0.22	8.82	7.65
A1	38.91	0.21	28.63	0.08	6.63		0.16	0.34	23.05
A1	39.56	0.01	22.04	0.09	26.09		0.59	6.31	6.84
A1	40.34	0.01	22.50	0.08	21.15		0.27	8.95	7.74
A1	38.64	0.11	21.62	0.11	28.08		0.84	4.97	6.79
A1	38.08	0.16	21.21	0.01	30.45		0.51	2.92	7.65
A1	38.53	0.08	21.69	0.01	29.38		0.70	4.23	6.80
A1	39.21	0.01	22.16	0.10	27.63		0.30	6.34	5.83
A1	38.29	0.11	21.37	0.01	30.26		0.57	3.41	7.05
A1	38.86	0.12	21.61	0.01	28.38		0.53	4.90	7.12

A1	39.50	0.01	22.22	0.01	25.07		0.45	6.62	7.39
A1	38.90	0.01	22.10	0.01	26.45		0.67	5.85	7.03
A1	39.56	0.01	22.31	0.01	24.09		0.41	7.22	7.39
A1	38.89	0.12	21.79	0.01	27.43		0.61	5.29	6.95
A1	39.87	0.01	22.50	0.01	20.91		0.26	8.93	8.06
A1	39.27	0.01	22.09	0.01	24.72		0.59	6.59	7.56
A1	38.93	0.08	21.58	0.01	29.45		0.78	4.41	6.61
A1	40.05	0.09	22.74	0.01	21.96		0.20	8.25	8.17
A1	38.64	0.12	21.48	0.01	30.42		0.61	3.66	6.65
A1	38.96	0.08	21.54	0.01	29.36		0.89	4.30	6.44
A1	39.23	0.01	22.01	0.01	26.77		0.56	5.75	6.88
A1	38.83	0.01	21.90	0.08	28.67		0.81	4.95	6.21
A1	39.56	0.01	22.14	0.01	25.85		0.45	6.66	6.76
A1	39.00	0.07	21.61	0.01	28.60		0.73	5.03	6.43
A1	40.06	0.01	22.67	0.01	21.55		0.23	8.61	8.09
A1	38.46	0.14	21.25	0.01	29.05		1.63	2.99	7.91
A1	40.19	0.01	22.53	0.01	21.19		0.33	8.90	7.66
A1	38.35	0.16	21.28	0.01	30.59		0.48	2.98	7.72
A1	39.02	0.01	22.13	0.01	26.07		0.41	6.00	7.17
A1	38.90	0.08	21.54	0.01	28.74		0.80	5.05	6.25
A1	39.03	0.01	21.65	0.01	28.51		0.46	5.33	6.13
A1	40.03	0.01	22.51	0.01	22.89		0.23	7.83	8.02
A1	38.86	0.08	21.67	0.01	28.58		0.79	4.73	6.72
A1	39.26	0.01	21.93	0.01	28.13		0.50	5.47	6.29
A1	39.47	0.01	22.13	0.01	24.36		0.26	7.31	7.46
A1	38.92	0.01	21.90	0.01	28.60		0.68	5.30	5.95
A1	39.07	0.01	22.00	0.01	26.86		0.40	6.02	6.69
A1	38.36	0.13	21.43	0.01	30.61		0.44	3.31	7.49
A1	39.37	0.01	22.09	0.08	24.90		0.52	6.27	7.72
A1	39.81	0.01	22.54	0.01	23.47		0.36	7.60	7.87
A1	40.26	0.01	22.69	0.01	21.44		0.25	8.70	7.51
A1	38.50	0.14	21.58	0.01	29.42		0.70	3.89	7.35
A1	39.05	0.07	21.92	0.18	25.66		0.75	6.15	7.13
A1	38.95	0.01	21.68	0.01	28.82		1.15	4.52	6.31
A1	39.33	0.01	21.92	0.01	26.33		0.83	6.04	6.80
A1	40.12	0.01	22.71	0.10	21.75		0.34	8.50	7.80
A1	38.47	0.08	21.47	0.17	30.51		0.44	3.67	6.84
A1	38.82	0.09	21.56	0.10	29.47		0.59	4.18	6.65
A1	39.35	0.01	21.86	0.01	27.33		0.24	5.95	6.48
A1	38.52	0.20	21.35	0.01	29.85		1.00	3.10	7.61
A1	40.00	0.01	22.43	0.01	22.75		0.25	8.19	7.63
A1	38.20	0.11	21.15	0.09	30.65		1.52	2.26	7.99
A1	38.49	0.10	21.46	0.11	30.74		0.46	3.17	7.08
A1	39.26	0.01	22.06	0.08	28.00		0.44	5.61	6.28
A1	38.36	0.14	21.23	0.01	30.00		1.47	2.87	7.37
A1	38.30	0.20	20.94	0.01	29.13		2.57	1.97	8.33
A1	38.93	0.11	21.88	0.01	27.75		0.54	5.20	6.98
A1	38.39	0.13	21.28	0.01	30.53		1.08	2.78	7.40
A1	38.13	0.11	21.18	0.01	30.93		1.14	2.35	7.40
A1	39.10	0.01	22.21	0.07	26.28		0.38	6.23	7.02

A1	38.89	0.08	21.74	0.01	28.17		0.42	5.47	5.88
A1	38.88	0.01	21.80	0.01	26.98		0.43	6.11	6.41
A1	39.17	0.01	21.82	0.18	28.32		0.30	5.76	5.81
A1	39.01	0.01	21.83	0.01	28.36		0.30	5.53	5.86
A1	40.14	0.01	22.83	0.08	20.98		0.21	9.01	7.77
A1	39.24	0.01	22.07	0.01	27.72		0.46	5.78	5.87
A1	38.98	0.01	22.02	0.01	27.45		0.25	5.97	6.36
A1	38.48	0.01	21.54	0.01	29.29		0.66	4.11	6.63
A1	37.86	0.01	21.57	0.01	29.42		0.71	4.29	6.20
A1	38.55	0.01	21.95	0.01	27.19		0.23	6.01	5.86
A1	38.16	0.07	21.79	0.01	28.29		0.60	4.90	6.45
A1	38.22	0.01	21.97	0.01	28.16		0.44	5.29	6.08
A1	38.51	0.01	21.93	0.01	26.92		0.38	6.04	6.11
A1	37.39	0.01	21.30	0.01	29.15		0.77	3.95	6.70
A1	38.18	0.01	21.89	0.01	27.46		0.40	5.50	6.45
A1	38.69	0.01	22.01	0.01	27.22		0.72	5.54	6.66
A1	39.12	0.01	22.35	0.01	23.39		0.37	6.98	8.06
A1	39.45	0.01	22.56	0.01	21.78		0.22	8.16	7.81
A1	38.35	0.01	21.80	0.01	29.31		0.87	4.29	6.00
A1	38.59	0.01	21.76	0.01	28.04		0.94	5.43	5.99
A1	38.76	0.01	21.83	0.01	26.38		0.57	6.07	6.13
A1	38.64	0.01	21.76	0.01	28.05		0.98	5.11	6.21
A1	39.30	0.01	22.45	0.07	21.36		0.37	7.77	8.52
A1	38.43	0.01	21.84	0.01	26.81		0.86	4.90	7.52
A1	39.03	0.01	22.26	0.01	24.82		0.63	6.36	7.51
A1	39.07	0.01	22.48	0.01	21.53		0.27	8.19	7.65
A1	38.22	0.07	22.01	0.00	23.84	0.00	0.47	4.95	10.70
A1	38.46	0.00	21.62	0.00	25.12	0.00	0.34	4.82	9.77
A1	37.51	0.03	21.47	0.00	27.13	0.00	0.71	3.35	10.12
A1	37.45	0.03	22.25	0.00	23.06	0.00	0.48	5.81	10.08
A1	39.08	0.00	22.97	0.00	20.08	0.00	0.43	7.92	9.24
A1	38.60	1.03	21.60	0.00	21.69	0.00	0.50	7.09	9.15
A1	39.83	0.10	21.61	0.00	21.06	0.00	0.47	7.84	9.19
A1	40.40	0.00	22.48	0.29	8.37	0.00	0.35	11.43	16.08
A1	39.76	0.07	21.46	0.00	22.49	0.00	0.63	7.28	8.39
A1	38.89	0.01	21.85	0.00	24.84	0.00	0.26	6.09	8.76
A1	38.91	0.01	21.78	0.00	23.33	0.00	0.35	6.75	8.94
A1	38.84	0.01	21.69	0.00	24.32	0.00	0.28	6.93	8.40
A1	39.16	0.00	21.81	0.00	24.47	0.00	0.27	5.68	9.58
A1	39.95	0.05	22.25	0.00	24.13	0.00	0.44	10.35	4.01
A1	39.92	0.08	22.57	0.00	24.05	0.00	0.37	10.94	3.82
A1	40.94	0.05	23.20	0.06	16.03	0.00	0.37	11.75	8.99
A1	40.43	0.04	22.51	0.35	15.24	0.00	0.81	10.05	11.28
A1	41.58	0.02	23.30	0.06	13.74	0.00	0.22	15.86	5.58
A1	41.06	0.06	23.20	0.26	13.16	0.00	0.22	14.28	7.79
A1	40.43	0.07	23.01	0.07	15.00	0.00	0.29	11.12	10.07
A1	41.64	0.01	23.39	0.05	12.19	0.00	0.34	16.88	5.54
A1	38.16	0.28	21.79	0.18	20.18	0.00	1.77	5.00	11.90
A1	40.38	0.23	22.41	0.58	14.78	0.00	0.41	14.79	5.73
A1	38.91	0.08	21.07	0.00	23.97	0.00	0.41	4.66	10.80

A1	37.75	0.15	20.72	0.00	26.83	0.00	1.55	4.33	8.37
A1	39.67	0.01	21.70	0.00	22.08	0.00	0.37	7.94	8.62
A1	39.98	0.01	21.84	0.00	22.62	0.00	0.35	9.26	6.48
A1	38.77	0.10	21.05	0.00	25.55	0.00	0.52	3.72	10.90
A1	39.19	0.02	21.39	0.00	25.04	0.00	0.49	6.61	7.61
A1	39.68	0.05	21.71	0.00	21.01	0.00	0.42	7.45	9.97
A1	40.28	0.03	21.87	0.00	21.25	0.00	0.51	8.97	7.87
A1	40.25	0.10	22.78	0.08	20.76	0.00	0.35	9.07	8.50
A1	39.91	0.12	22.66	0.09	19.36	0.00	0.54	8.51	9.73
A1	39.28	0.00	23.05	0.04	19.89	0.00	0.46	9.05	8.63
A1	39.84	0.10	23.14	0.06	19.42	0.00	0.47	8.91	9.36
A1	40.38	0.03	22.47	0.04	20.51	0.17	0.19	9.06	7.74
A1	39.67	0.06	22.85	0.07	16.61	0.41	0.41	11.91	7.58
A1	39.71	0.09	22.21	0.06	24.17	0.06	0.58	5.94	9.09
A1	39.88	0.14	22.95	0.00	19.90	0.03	0.37	10.00	7.79
A1	40.89	0.06	23.50	0.01	17.75	0.00	0.08	10.98	8.00
A1	39.50	0.05	22.02	0.06	0.87	0.76	0.57	8.70	8.14
A1	40.24	0.00	22.03	0.06	19.33	0.80	0.55	9.76	7.83
A1	38.55	0.08	23.51	0.02	19.07	0.91	0.91	10.26	7.87
A1	39.71	0.03	22.27	0.14	20.54	0.00	0.32	9.24	7.01
A1	40.95	0.00	23.20	0.00	19.18	0.00	0.55	8.99	8.85
A1	41.48	0.07	23.79	0.03	16.19	0.00	0.26	15.57	4.21
A1	38.31	0.02	21.39	0.06	26.91	0.74	0.54	5.32	6.86
A1	39.41	0.04	21.20	0.01	24.34	1.16	0.78	5.29	8.78
A1	37.92	0.04	21.75	0.00	28.95	0.00	0.97	1.49	9.53
A1	38.41	0.06	22.25	0.00	23.06	0.00	0.41	6.85	8.11
A1	39.27	0.05	22.13	0.03	23.75	0.11	0.50	7.28	7.59
A1	38.42	0.38	22.47	0.00	27.55	0.00	0.84	6.20	4.99
A1	38.22	0.07	21.18	0.00	24.23	0.00	1.02	5.16	10.04
A1	39.51	0.05	21.75	0.00	23.85	0.00	0.86	6.88	8.95
A1	38.92	0.26	21.70	0.00	24.84	0.00	0.83	6.67	8.46
A1	39.23	0.10	21.21	0.00	24.47	0.00	0.90	8.73	5.59
A1	38.39	0.04	20.92	0.00	26.92	0.00	1.05	6.80	7.21
A1	37.55	0.05	20.55	0.00	28.03	0.00	1.21	6.19	5.97
A2	38.07	0.00	20.74	0.00	35.06	0.00	0.43	5.99	0.01
A2	37.11	0.00	20.46	0.00	35.38	0.00	0.15	5.42	0.25
A2	36.89	0.00	20.60	0.00	34.53	0.00	0.80	5.20	0.42
A2	37.23	0.00	20.37	0.00	35.33	0.00	0.41	5.70	0.22
A2	37.62	0.00	20.76	0.00	33.53	0.00	0.46	4.64	2.76
A2	38.01	0.00	21.32	0.00	31.94	0.00	0.57	3.97	5.07
A2	37.94	0.00	21.40	0.00	33.86	0.00	0.87	4.37	2.50
A2	37.28	0.00	20.94	0.00	31.17	0.00	1.13	3.93	5.01
A2	37.25	0.00	20.82	0.00	31.19	0.00	0.80	3.98	4.43
A2	37.95	0.00	20.66	0.00	31.38	0.00	1.05	4.16	4.78
A2	38.04	0.00	21.35	0.00	30.15	0.00	0.85	3.55	6.36
A2	38.44	0.00	21.29	0.00	22.85	0.00	0.58	1.10	16.22
A3	37.78	0.02	21.07	0.00	28.42		3.72	2.06	7.12
A3	37.62	0.00	21.16	0.00	26.33		5.34	2.43	6.83
A3	39.63	0.00	22.03	0.16	12.94		0.41	9.11	9.54
A3	38.32	0.03	21.51	0.01	27.79		0.63	6.32	5.28

A3	38.30	0.06	21.60	0.00	27.60		0.06	3.94	8.45
A3	38.10	0.02	21.80	0.02	27.10		0.06	4.15	8.65
A3	38.00	0.08	21.60	0.00	28.10		0.16	3.22	8.48
A3	38.30	0.05	21.30	0.05	30.20		0.42	2.87	7.72
A3	38.40	0.00	21.70	0.00	27.70		0.41	3.24	9.50
A3	39.12	0.08	22.27	0.10	21.72		0.37	9.00	6.60
A3	39.07	0.03	22.08	0.12	22.68		0.75	6.72	8.63
A3	39.92	0.05	22.37	0.12	19.77		0.42	9.60	7.92
A3	38.98	0.02	22.19	0.08	21.96		0.23	9.11	8.15
A5	37.66	0.01	20.94	0.01	28.79		0.91	3.68	8.52
A5	37.58	0.01	21.11	0.01	29.09		0.64	3.97	7.88
A5	37.47	0.01	20.74	0.01	29.43		0.52	4.20	7.53
A5	37.50	0.01	20.83	0.01	28.49		0.65	3.68	8.96
A5	37.33	0.01	20.61	0.01	28.98		0.60	3.99	8.26
A5	37.60	0.14	20.81	0.01	28.18		0.61	3.62	9.40
A5	37.18	0.01	20.66	0.01	28.99		0.58	4.10	8.26
A5	37.41	0.01	20.93	0.01	28.72		0.59	4.06	8.31
A5	37.54	0.08	20.88	0.01	28.44		0.67	3.92	8.53
A5	37.33	0.01	20.91	0.01	28.27		0.66	3.89	8.42
A5	37.36	0.08	20.74	0.01	28.34		0.85	3.78	8.79
A5	37.55	0.01	21.05	0.01	28.43		0.73	3.73	8.64
A5	37.45	0.09	20.67	0.01	29.45		0.88	4.09	7.27
A5	37.68	0.01	20.88	0.01	28.55		0.58	4.03	8.23
A5	37.66	0.01	20.81	0.01	28.96		0.93	3.49	8.39
A5	38.18	0.08	20.89	0.01	29.69		0.85	4.15	6.88
A5	37.65	0.01	21.05	0.01	28.75		0.57	4.12	7.97
A5	37.88	0.12	20.79	0.01	30.09		1.07	3.87	7.07
A5	38.15	0.01	21.17	0.01	28.40		0.61	4.01	8.29
A5	37.91	0.13	20.74	0.01	29.45		0.75	4.02	7.54
A5	38.23	0.01	21.04	0.01	28.74		0.75	3.91	8.12
A5	37.99	0.01	20.88	0.01	30.36		0.15	3.30	8.13
A5	38.17	0.01	21.18	0.01	29.43		0.54	3.90	7.85
A5	38.47	0.08	21.11	0.01	28.59		0.50	3.31	9.06
A5	38.02	0.10	20.68	0.01	29.29		0.21	3.03	9.39
A5	38.29	0.09	21.02	0.01	28.01		0.63	3.66	9.14
A5	37.72	0.08	20.78	0.01	28.88		0.55	3.90	8.32
A5	38.05	0.01	21.11	0.01	29.20		0.46	3.67	8.58
A5	37.90	0.01	21.10	0.01	29.25		0.81	3.71	7.93
A5	38.48	0.08	21.14	0.01	28.52		0.41	3.63	9.28
A5	38.29	0.01	21.16	0.01	29.20		0.73	3.74	8.19
A5	38.35	0.10	21.09	0.01	28.91		0.73	3.44	8.56
A5	38.26	0.01	21.14	0.01	29.36		0.34	3.57	8.39
A5	38.37	0.01	21.32	0.01	28.85		0.56	4.07	8.19
A5	38.57	0.08	21.28	0.01	28.71		0.78	3.53	8.72
A5	38.31	0.01	21.23	0.01	28.97		0.62	3.79	8.11
A5	38.09	0.12	21.03	0.01	29.07		0.42	3.01	9.71
A5	38.40	0.10	21.09	0.01	29.76		0.75	3.87	7.55
A5	38.18	0.08	20.99	0.01	28.73		0.51	3.75	8.42
A5	38.55	0.01	21.30	0.01	29.15		0.52	3.91	8.21
A5	38.46	0.01	21.29	0.01	28.92		0.80	3.66	8.50

A5	38.52	0.01	21.07	0.01	27.82		0.92	3.34	9.45
A5	37.75	0.10	20.83	0.01	28.79		0.43	3.52	9.12
A5	38.29	0.11	20.96	0.01	29.11		1.40	3.18	8.22
A5	38.41	0.09	20.86	0.01	29.05		0.39	3.74	8.64
A5	38.41	0.01	21.28	0.01	28.95		0.92	3.75	8.15
A5	38.45	0.01	21.16	0.01	28.25		0.60	3.76	8.79
A5	38.31	0.01	21.10	0.01	28.37		0.65	3.81	8.74
A5	38.21	0.07	20.82	0.01	28.86		0.62	3.83	8.31
A5	37.89	0.01	20.69	0.01	28.84		0.55	3.84	8.44
A5	38.21	0.01	21.22	0.01	29.43		0.65	3.93	7.82
A5	38.74	0.01	21.06	0.01	28.49		0.60	3.70	9.00
A5	38.00	0.01	21.02	0.01	29.05		0.57	3.94	8.25
A5	38.02	0.01	21.24	0.01	28.81		1.03	3.53	8.40
A5	38.49	0.09	21.18	0.01	28.75		0.90	3.60	8.49
A5	38.12	0.01	21.02	0.01	29.50		0.85	3.82	7.58
A5	38.22	0.01	21.17	0.01	29.15		0.83	3.55	8.45
A5	38.38	0.08	21.02	0.01	28.87		0.92	3.75	8.35
A5	38.19	0.01	21.14	0.01	28.31		0.63	3.87	8.47
A5	38.35	0.11	21.08	0.01	30.76		0.97	3.76	6.65
A5	38.33	0.01	21.11	0.01	29.46		0.68	3.71	8.02
A5	38.45	0.01	21.14	0.01	29.51		0.37	3.66	8.19
A5	37.98	0.08	20.93	0.01	28.28		0.55	3.73	8.95
A5	38.43	0.09	21.11	0.01	29.18		0.66	3.72	8.12
A5	37.97	0.01	20.73	0.01	28.94		0.68	3.75	8.33
A5	38.11	0.11	20.82	0.01	28.85		0.99	3.63	8.05
A5	39.19	0.01	22.02	0.01	20.77		0.43	9.75	7.52
A5	39.70	0.01	22.18	0.05	21.44		0.40	9.41	7.28
A5	39.65	0.01	21.81	0.01	20.75		0.42	9.29	7.93
A5	39.76	0.01	22.23	0.01	20.88		0.39	9.60	7.38
A5	39.44	0.01	21.97	0.01	21.24		0.43	9.82	6.70
A5	39.48	0.01	22.33	0.01	20.54		0.41	9.46	7.77
A5	39.94	0.01	22.19	0.04	21.18		0.42	9.87	6.65
A5	39.38	0.01	22.24	0.01	20.90		0.40	9.92	6.93
A5	39.48	0.01	22.24	0.01	20.60		0.42	9.27	7.94
A5	39.84	0.01	22.32	0.01	22.20		0.44	9.14	6.60
A5	39.65	0.01	22.11	0.01	20.09		0.41	9.25	8.33
A5	39.45	0.01	22.09	0.01	20.68		0.38	9.58	7.76
A5	39.77	0.01	22.36	0.01	20.99		0.39	9.54	7.48
A5	39.82	0.01	22.36	0.01	20.96		0.37	9.65	7.49
A5	39.58	0.01	22.27	0.01	20.99		0.39	9.61	7.26
A5	39.57	0.01	22.23	0.01	21.18		0.41	9.65	7.51
A5	39.92	0.01	22.36	0.01	21.04		0.41	9.76	7.12
A5	39.48	0.01	22.38	0.01	20.70		0.41	9.24	8.04
A5	39.54	0.01	22.12	0.01	22.54		0.47	8.49	7.55
A5	39.60	0.01	22.37	0.01	21.14		0.41	9.75	7.30
A5	39.94	0.01	22.30	0.01	21.53		0.40	10.13	6.28
A5	39.61	0.01	22.31	0.01	20.32		0.40	9.24	8.49
A5	39.76	0.04	22.14	0.01	20.73		0.36	9.51	7.61
A5	39.53	0.01	22.24	0.01	20.74		0.37	9.60	7.69
A5	39.62	0.01	22.37	0.04	20.73		0.42	9.55	7.62

A5	39.78	0.01	22.32	0.01	20.73		0.40	9.52	7.59
A5	39.73	0.01	22.25	0.01	20.76		0.39	9.43	7.75
A5	39.96	0.01	22.55	0.01	21.00		0.38	9.73	7.05
A5	39.51	0.01	22.28	0.05	20.84		0.44	9.67	7.45
A5	39.47	0.01	21.98	0.01	21.27		0.39	9.89	6.77
A5	39.46	0.01	22.14	0.05	21.14		0.42	9.57	7.35
A5	39.73	0.01	22.16	0.01	21.33		0.40	9.84	6.76
A5	39.34	0.01	22.09	0.01	21.09		0.40	9.48	7.64
A5	39.60	0.05	22.30	0.05	21.31		0.40	9.97	6.80
A5	39.76	0.01	22.29	0.04	21.18		0.43	9.75	6.94
A5	39.64	0.01	22.25	0.01	20.92		0.39	9.79	7.33
A5	39.36	0.01	22.08	0.01	20.90		0.40	9.61	7.57
A5	39.17	0.06	21.86	0.01	20.73		0.37	8.94	8.53
A5	39.11	0.01	22.12	0.01	20.60		0.39	9.53	7.66
A5	39.41	0.01	22.07	0.01	21.28		0.40	9.38	7.65
A5	39.28	0.01	22.16	0.01	20.59		0.39	9.52	7.98
A5	39.04	0.01	22.03	0.01	21.27		0.39	10.13	6.55
A5	39.46	0.01	22.18	0.05	21.25		0.40	9.92	6.88
A5	39.63	0.01	22.18	0.01	21.23		0.40	10.31	6.26
A5	39.47	0.01	22.19	0.01	20.63		0.38	9.65	7.39
A5	39.33	0.01	22.39	0.05	21.11		0.42	9.98	6.82
A5	39.47	0.01	22.36	0.01	21.58		0.44	10.06	6.23
A5	40.07	0.01	22.65	0.01	21.33		0.43	9.36	7.47
A5	39.78	0.01	22.31	0.01	21.03		0.39	9.27	8.10
A5	39.61	0.04	22.30	0.01	20.88		0.40	9.14	8.34
A5	39.47	0.04	22.34	0.01	21.75		0.41	9.82	6.55
A5	39.93	0.01	22.31	0.01	20.86		0.37	9.16	8.49
A5	40.02	0.01	22.42	0.01	21.34		0.38	9.90	7.28
A5	39.84	0.01	22.34	0.01	21.52		0.40	9.31	7.58
A5	40.00	0.01	22.43	0.01	20.93		0.40	9.50	7.92
A5	39.80	0.01	22.46	0.01	20.51		0.44	9.22	7.91
A5	39.88	0.05	22.44	0.01	21.05		0.39	9.56	7.67
A5	39.86	0.01	22.47	0.01	21.01		0.39	9.54	7.61
A5	39.68	0.01	22.42	0.01	21.00		0.41	9.43	7.96
A5	39.57	0.01	22.42	0.01	21.04		0.40	9.43	7.75
A5	39.71	0.01	22.48	0.01	21.60		0.41	9.75	6.72
A5	39.52	0.08	21.90	0.04	21.16		0.44	9.12	8.01
A5	39.81	0.01	22.63	0.01	21.12		0.41	9.58	7.48
A5	40.18	0.01	22.74	0.01	20.98		0.40	9.55	7.45
A5	40.14	0.01	22.69	0.01	21.16		0.41	9.65	7.24
A5	40.04	0.01	22.53	0.01	21.27		0.42	9.40	7.46
A5	39.79	0.01	22.40	0.01	20.85		0.40	9.17	8.05
A5	39.75	0.01	22.38	0.01	20.73		0.39	9.36	7.80
A5	39.71	0.04	22.32	0.01	21.03		0.42	9.26	7.63
A5	39.89	0.01	22.46	0.01	21.00		0.39	9.20	8.40
A5	39.71	0.01	22.36	0.01	21.12		0.40	9.61	7.65
A5	39.69	0.01	22.27	0.01	21.40		0.39	9.73	6.98
A5	39.79	0.01	22.57	0.01	21.11		0.42	9.41	7.84
A5	40.59	0.01	22.57	0.01	21.58		0.37	9.86	6.43
A5	40.14	0.01	22.53	0.01	21.84		0.45	9.76	6.52

A5	40.23	0.01	22.59	0.01	21.45		0.41	9.67	6.99
A5	40.25	0.01	22.58	0.01	21.56		0.43	9.85	6.53
A5	39.70	0.01	22.49	0.01	20.99		0.41	9.47	7.46
A5	40.09	0.01	22.37	0.01	20.88		0.42	9.47	7.86
A5	39.99	0.01	22.62	0.01	21.10		0.42	9.51	7.74
A5	40.34	0.01	22.62	0.05	21.48		0.42	9.55	7.30
A5	40.40	0.01	22.47	0.01	20.88		0.41	9.45	7.67
A5	40.13	0.01	22.47	0.01	20.86		0.42	9.56	7.58
A5	39.79	0.01	22.50	0.01	20.91		0.41	9.59	7.71
A5	40.17	0.05	22.56	0.01	21.39		0.40	9.84	6.56
A5	39.71	0.01	22.26	0.04	21.01		0.41	9.23	8.20
A5	39.64	0.01	22.21	0.04	20.91		0.44	9.45	7.40
A5	39.41	0.01	22.28	0.04	20.92		0.39	9.65	7.80
A5	39.86	0.01	22.59	0.01	21.22		0.43	9.46	7.17
A5	39.87	0.01	22.57	0.01	20.81		0.38	9.41	7.93
A5	39.14	0.01	22.25	0.01	21.39		0.43	9.62	7.60
A5	39.16	0.01	22.29	0.01	20.99		0.40	9.63	7.51
A5	39.56	0.01	22.26	0.01	20.98		0.39	9.74	7.40
A5	39.63	0.01	22.17	0.01	21.07		0.42	9.50	7.58
A5	39.28	0.01	22.20	0.01	20.86		0.43	9.56	7.62
A5	39.22	0.01	22.14	0.01	20.73		0.42	9.55	7.74
A5	39.63	0.01	22.38	0.01	20.94		0.42	9.49	7.64
A5	39.49	0.01	22.44	0.01	20.56		0.41	9.31	8.13
A5	39.66	0.01	22.30	0.01	20.81		0.42	9.50	7.82
A5	39.65	0.01	22.35	0.01	20.92		0.38	9.25	7.93
A5	39.11	0.04	22.10	0.01	21.15		0.44	9.46	7.54
A5	39.54	0.01	22.32	0.01	20.86		0.39	9.36	7.75
A5	39.25	0.01	22.29	0.01	20.59		0.39	9.25	8.11
A5	40.02	0.01	22.43	0.01	21.06		0.42	9.29	7.71
A5	39.84	0.01	22.59	0.01	21.09		0.43	9.45	7.60
A5	39.55	0.01	22.08	0.01	20.90		0.41	9.19	8.12
A5	39.51	0.01	22.32	0.05	20.77		0.42	9.59	7.60
A5	38.97	0.05	21.94	0.01	20.65		0.37	9.30	8.47
A5	39.71	0.01	22.40	0.01	21.47		0.42	9.98	6.55
A5	39.12	0.01	22.09	0.01	20.75		0.37	9.07	8.53
A5	39.63	0.01	22.28	0.01	20.92		0.37	9.52	7.78
A5	39.78	0.01	22.43	0.01	20.79		0.38	9.41	7.80
A5	39.33	0.01	22.32	0.01	21.44		0.40	9.88	7.01
A5	39.60	0.01	22.29	0.01	20.71		0.41	9.11	8.12
A5	39.52	0.01	22.29	0.05	21.12		0.38	9.62	7.45
A5	39.72	0.01	22.27	0.01	21.04		0.43	9.54	7.66
A5	39.42	0.01	22.40	0.01	20.84		0.37	9.51	7.77
A5	40.18	0.04	22.58	0.01	21.24		0.39	9.32	7.66
A5	39.61	0.01	22.30	0.07	21.03		0.43	9.22	8.03
A5	39.33	0.01	22.43	0.05	21.89		0.42	9.83	6.41
A5	39.24	0.01	22.31	0.06	21.13		0.42	9.48	7.31
A5	39.51	0.01	22.55	0.04	21.24		0.42	9.58	7.19
A5	39.65	0.28	22.90	0.05	9.72		0.15	9.80	17.17
A5	39.60	0.41	22.49	0.06	18.79		0.39	11.40	7.06
A5	39.89	0.27	22.98	0.05	8.73		0.15	8.45	19.37

A5	40.16	0.23	22.99	0.07	10.62		0.17	10.22	15.85
A5	39.87	0.28	22.64	0.05	18.81		0.37	13.51	4.45
A5	39.70	0.68	22.34	0.03	17.00		0.32	12.12	7.75
A5	41.28	0.65	22.91	0.03	11.63		0.38	17.83	4.86
A5	40.02	0.24	22.97	0.04	11.31		0.17	9.71	15.57
A5	40.13	0.30	22.68	0.11	17.17		0.33	14.49	4.07
A5	39.89	0.66	22.40	0.05	16.36		0.36	12.67	7.10
A5	40.34	0.47	22.58	0.05	15.77		0.35	15.18	4.38
A5	39.90	0.32	22.62	0.04	18.41		0.38	12.62	5.51
A5	40.28	0.19	21.43	0.05	18.38		0.34	9.78	9.55
A5	39.95	0.16	21.52	0.00	18.19		0.50	8.25	11.25
A5	40.31	0.17	21.98	0.04	11.12		0.29	7.41	18.45
A5	40.85	0.31	22.24	0.13	17.60		0.58	14.19	4.30
A5	40.48	0.32	21.68	0.79	13.99		0.28	10.14	12.34
A5	40.42	0.31	21.60	0.94	12.89		0.22	10.39	12.90
A5	41.62	0.23	23.27	0.06	8.69		0.17	15.21	10.66
A5	41.98	0.30	23.11	0.04	12.08		0.36	18.54	3.14
A5	41.25	0.10	22.75	0.21	12.30		0.32	13.88	8.95
A5	41.00	0.28	22.73	0.08	11.38		0.24	12.93	11.00
A5	41.25	0.31	22.82	0.08	13.82		0.44	14.32	6.71
A5	42.57	0.21	22.64	0.60	8.54		0.29	20.40	4.30
A5	41.94	0.12	23.19	0.20	11.51		0.22	18.78	3.81
A5	39.76	0.41	22.07	0.07	21.07		0.43	10.14	6.32
A5	40.87	0.16	22.60	0.26	14.51		0.35	15.46	5.78
A5	41.23	0.07	23.20	0.04	8.17		0.18	12.28	14.87
A5	42.48	0.25	22.44	2.08	6.40		0.34	21.59	4.26
A5	40.29	0.33	22.67	0.03	12.52		0.23	10.28	13.40
A5	40.40	0.31	22.62	0.05	10.97		0.17	9.83	15.42
A5	40.78	0.45	22.59	0.11	15.49		0.32	13.70	6.71
A5	40.62	0.48	22.40	0.06	15.00		0.60	13.31	7.72
A5	40.92	0.16	23.54	0.02	7.86		0.13	11.25	16.29
A5	40.04	0.13	23.00	0.02	8.86		0.15	10.98	14.80
A5	40.80	0.51	22.70	0.13	14.50		0.32	17.30	3.24
A5	40.28	0.10	22.72	0.02	13.85		0.25	9.23	13.73
A5	40.54	0.11	22.76	0.02	14.00		0.26	9.15	13.71
A5	42.59	0.08	23.69	0.68	7.00		0.34	21.16	4.86
A5	42.49	0.11	23.59	0.60	8.31		0.37	20.56	4.42
A5	42.10	0.14	23.27	0.70	10.91		0.36	19.15	3.94
A5	41.72	0.13	23.30	0.28	12.97		0.35	17.69	4.22
A5	41.73	0.16	23.22	0.33	12.90		0.33	17.56	4.33
A5	42.51	0.13	23.77	0.12	9.15		0.41	20.33	4.08
A5	42.10	0.12	23.52	0.33	10.74		0.39	19.22	4.32
A5	42.18	0.10	23.52	0.18	11.52		0.27	18.93	3.95
A5	39.84	0.07	22.55	0.06	14.38		0.35	9.86	12.52
A5	40.20	0.07	22.60	0.07	14.40		0.31	9.90	12.61
A5	40.38	0.14	22.49	0.12	16.36		0.40	11.39	8.70
A5	40.30	0.22	22.70	0.10	16.10		0.37	16.60	3.02
A5	40.60	0.22	22.70	0.06	17.80		0.40	16.30	2.64
A5	40.90	0.20	22.80	0.02	16.10		0.45	16.60	3.73
A5	40.60	0.23	22.70	0.04	15.60		0.44	16.30	4.12

A5	40.50	0.24	22.70	0.04	16.00		0.48	16.50	3.95
A5	41.00	0.47	22.30	0.11	14.50		0.50	16.30	5.57
A5	40.70	0.41	22.50	0.09	15.30		0.43	16.40	4.60
A5	40.10	0.21	22.70	0.02	17.20		0.37	15.60	3.90
A5	39.80	0.32	22.10	0.03	20.60		0.47	13.60	2.65
A5	40.60	0.54	22.10	0.05	13.30		0.52	16.80	5.16
A5	40.90	0.38	22.00	1.10	11.30		0.51	18.30	5.16
A5	39.80	0.47	22.00	0.02	19.10		0.50	13.40	4.05
A5	38.90	0.35	21.80	0.02	22.10		0.52	10.80	4.59
A5	39.10	0.39	21.80	0.03	22.60		0.51	10.80	4.92
A5	38.10	0.33	21.60	0.03	24.70		0.49	8.40	5.39
A5	40.80	0.27	22.90	0.04	14.60		0.37	16.40	5.28
A5	40.80	0.25	22.70	0.09	14.90		0.39	15.70	5.44
A5	40.10	0.04	22.90	0.03	16.30		0.34	13.60	6.81
A5	38.80	0.40	21.80	0.01	21.50		0.45	7.93	9.09
A5	39.90	0.25	22.70	0.05	14.60		0.25	10.70	11.80
A5	40.30	0.22	23.00	0.05	15.00		0.25	11.80	10.00
A5	39.80	0.56	22.10	0.01	15.10		0.29	9.55	12.80
A5	39.80	0.56	22.10	0.02	15.00		0.24	9.52	12.80
A5	39.70	0.47	22.30	0.05	14.30		0.25	9.18	13.90
A5	40.70	0.45	22.50	0.10	13.40		0.29	12.30	10.60
A5	40.10	0.45	22.50	0.03	14.10		0.29	9.00	14.10
A5	39.20	0.58	21.60	0.04	14.60		0.28	8.74	13.60
A5	39.60	0.53	21.80	0.04	13.30		0.33	10.90	12.00
A5	41.20	0.81	20.60	2.64	10.70		0.43	18.00	5.41
A5	39.30	0.25	22.20	0.04	15.70		0.24	8.05	13.60
A5	40.20	0.49	22.10	0.08	13.80		0.36	13.90	8.42
A5	39.50	0.33	22.50	0.05	14.00		0.30	12.00	10.40
A5	42.02	0.04	23.76	0.36	5.46		0.18	16.79	13.00
A5	41.40	0.22	23.50	0.08	11.00		0.27	16.40	7.36
A5	40.61	0.25	21.99	0.05	13.14	0.00	0.22	14.10	9.03
A5	41.63	0.27	23.59	0.06	11.24	0.00	0.42	19.35	3.91
A5	41.34	0.14	22.97	0.05	9.27	0.00	0.17	14.80	10.98
A5	40.23	0.29	22.30	0.03	17.17	0.00	0.46	12.42	6.95
A5	41.45	0.14	22.97	0.07	12.70	0.00	0.26	18.48	3.72
A5	41.10	0.15	22.59	0.02	9.17	0.00	0.20	12.50	13.58
A5	40.84	0.34	22.72	0.17	11.35	0.00	0.21	14.99	8.95
A5	40.97	0.19	22.94	0.05	11.27	0.00	0.19	14.82	9.18
A5	40.64	0.34	22.12	1.31	9.85	0.00	0.20	14.91	10.42
A5	40.97	0.08	22.89	0.03	7.52	0.00	0.16	12.85	14.75
A5	40.55	0.15	22.73	0.04	9.19	0.00	0.20	12.40	13.74
A5	40.84	0.26	22.67	2.00	13.89	0.00	0.40	17.34	3.80
A5	39.77	0.42	21.90	0.08	16.93	0.00	0.29	10.82	8.91
A5	40.07	0.28	22.56	0.04	11.41	0.00	0.16	9.85	14.61
A5	39.90	0.29	21.89	0.05	11.60	0.00	0.18	9.66	14.67
A5	40.46	0.34	22.49	0.04	15.32	0.00	0.31	13.41	7.58
A5	40.09	0.16	22.05	0.13	19.89	0.00	0.49	14.39	2.50
A5	40.21	0.32	22.14	0.07	11.03	0.00	0.23	11.57	12.85
A5	40.10	0.09	21.59	0.09	11.80	0.00	0.25	6.30	19.70
A6	38.09	0.05	21.20	0.00	32.38	0.00	1.08	2.13	5.55

A6	37.57	0.00	21.58	0.00	33.75	0.00	1.26	2.04	4.94
A6	38.54	0.00	21.70	0.00	32.85	0.00	0.22	6.35	1.04
A6	39.25	0.00	21.53	0.00	32.37	0.00	0.28	5.91	0.60
A6	39.07	0.08	21.94	0.00	32.13	0.00	0.29	6.72	0.48
A6	39.25	0.04	22.05	0.02	30.23	0.00	0.61	4.60	4.57
A6	38.84	0.00	21.97	0.04	29.49	0.00	0.52	5.43	4.22
A6	38.71	0.03	22.26	0.12	28.60	0.00	0.52	5.66	4.49
A6	39.39	0.09	22.24	0.00	16.55	0.00	0.34	8.47	12.12
A6	39.57	0.11	22.13	0.09	16.47	0.00	0.32	7.94	13.38
A6	40.15	0.01	21.71	0.00	17.24	0.00	0.41	8.08	11.86
A6	40.01	0.05	21.81	0.02	17.59	0.00	0.28	9.27	10.53
A6	40.40	0.01	21.50	0.01	17.69	0.00	0.33	8.58	11.00
A6	40.45	0.07	21.55	0.02	17.62	0.00	0.34	8.02	12.03
A6	38.81	0.04	21.98	0.00	20.32	0.00	0.48	8.97	9.27
A6	37.33	0.11	21.09	0.00	22.87	0.00	3.32	3.17	10.94
A6	39.85	0.16	22.18	0.00	16.19	0.00	0.52	11.41	9.70
A6	38.87	0.27	21.83	0.00	21.05	0.00	0.59	6.89	10.50
A6	39.40	0.17	21.63	0.00	20.93	0.00	0.54	8.40	8.93
A6	39.57	0.00	21.82	0.00	21.35	0.00	0.19	7.80	9.28
A6	38.92	0.13	21.26	0.00	23.23	0.00	0.72	7.59	8.14
A6	38.25	0.28	21.68	0.00	23.55	0.00	0.47	6.97	8.81
A6	37.93	0.00	21.78	0.00	27.35	0.00	0.77	5.40	6.47
A6	37.07	0.00	21.57	0.00	29.46	0.00	0.24	3.90	7.42
B1	37.46	0.00	21.23		28.26		1.14	5.77	6.14
B1	37.61	0.00	21.42		27.58		1.61	6.51	5.53
B1	37.37	0.00	21.34		29.16		1.47	5.81	5.45
B1	37.44	0.00	21.29		27.37		2.15	5.64	6.38
B1	38.09	0.00	21.77		27.04		1.23	6.95	5.39
B1	39.01	0.00	21.42		28.17		1.76	7.02	4.25
B1	38.95	0.00	21.34		27.82		1.66	6.54	5.05
B1	38.84	0.00	21.55		28.23		1.64	6.82	4.53
B1	37.13	0.00	20.74		27.43		1.50	5.39	6.22
B1	38.69	0.15	21.35		24.46		0.83	4.56	10.30
B1	38.26	0.06	21.70		23.67		0.68	4.99	10.72
B1	37.56	0.04	20.92		23.75		0.66	4.91	10.28
B1	38.85	0.07	21.75		24.33		0.81	4.46	11.23
B1	38.86	0.09	21.69		24.73		0.86	4.21	11.70
B1	37.54	0.10	21.01		24.54		1.00	4.12	10.62
B1	37.60	0.12	21.21		23.35		0.77	4.35	11.73
B1	37.90	0.10	20.95		26.81		1.20	3.91	9.34
B1	38.47	0.05	21.21		26.53		0.95	4.17	9.23
B1	38.40	0.02	21.42	0.04	28.20		1.06	4.02	6.95
B1	38.47	0.05	20.80	0.02	26.80		0.98	3.86	7.40
B1	39.06	0.02	21.53	0.07	24.89		0.77	6.68	6.13
B1	39.42	0.05	21.74	0.03	24.74		0.73	6.52	6.37
B1	38.32	0.07	21.35	0.03	26.15		1.11	5.24	6.47
B1	38.63	0.04	21.41	0.06	25.61		1.09	5.11	6.82
B1	38.00	0.00	21.70	0.00	30.80		0.80	3.80	5.30
B1	37.70	0.00	21.20	0.00	33.90		1.00	4.00	1.50
B1	36.82	0.00	20.94	0.00	35.17		1.85	2.89	1.28

B1	36.64	0.00	21.19	0.04	34.71		1.98	2.95	1.21
B1	38.75	0.01	21.22	0.01	26.23		0.46	5.19	9.12
B1	38.51	0.08	21.21	0.01	26.71		0.52	5.38	8.26
B1	38.33	0.01	21.09	0.01	26.73		0.57	5.35	8.39
B1	38.59	0.01	21.16	0.01	26.08		0.50	5.15	9.31
B1	38.62	0.01	21.11	0.01	25.83		0.46	5.02	9.61
B1	38.70	0.01	21.14	0.01	26.49		0.50	5.40	8.61
B1	38.49	0.01	21.23	0.01	26.50		0.47	5.12	9.03
B1	38.37	0.01	20.89	0.01	26.48		0.49	5.23	8.67
B1	38.66	0.01	21.31	0.01	25.92		0.43	5.06	9.47
B1	38.08	0.01	21.01	0.01	26.72		0.48	5.35	8.39
B1	38.52	0.01	21.28	0.01	26.20		0.50	5.34	8.47
B1	38.65	0.01	21.22	0.01	26.39		0.45	5.25	8.92
B1	38.49	0.01	21.34	0.01	25.97		0.50	5.06	9.54
B1	38.75	0.01	21.32	0.01	26.86		0.52	5.49	8.29
B1	38.57	0.01	21.38	0.01	25.94		0.46	5.00	9.48
B1	38.50	0.01	21.05	0.01	26.64		0.49	5.41	8.46
B1	38.97	0.01	21.31	0.01	26.27		0.48	5.22	8.93
B1	38.65	0.01	21.23	0.01	26.72		0.51	5.13	8.73
B1	38.81	0.08	21.38	0.01	26.66		0.54	5.32	8.73
B1	38.89	0.01	21.41	0.01	26.90		0.60	5.47	8.16
B1	38.56	0.01	21.21	0.01	26.59		0.62	5.13	8.81
B1	38.95	0.01	21.60	0.01	26.23		0.49	5.33	8.97
B1	38.45	0.01	21.37	0.01	26.36		0.48	5.12	9.25
B1	38.35	0.01	21.32	0.01	25.90		0.64	4.71	9.65
B1	38.97	0.01	21.29	0.01	26.68		0.47	5.27	8.36
B1	39.28	0.01	21.37	0.01	26.36		0.51	5.09	9.00
B1	39.08	0.01	21.57	0.01	26.32		0.46	5.18	8.94
B1	38.92	0.01	21.42	0.01	26.18		0.57	5.24	8.87
B1	38.82	0.01	21.52	0.01	25.64		0.51	4.96	9.66
B1	39.08	0.01	21.51	0.01	26.72		0.52	5.31	8.27
B1	38.28	0.01	21.17	0.01	25.55		0.42	5.00	9.41
B1	38.88	0.01	21.28	0.01	27.01		0.53	5.28	8.42
B1	38.74	0.01	21.23	0.01	27.13		0.46	5.41	8.00
B1	38.71	0.01	21.36	0.01	26.08		0.49	5.12	9.25
B1	39.28	0.01	21.50	0.01	25.88		0.55	5.00	9.42
B1	38.57	0.01	21.33	0.01	25.96		0.64	4.76	9.99
B1	38.61	0.01	21.54	0.01	25.81		0.45	5.04	9.52
B1	38.52	0.01	21.57	0.01	25.95		2.60	3.59	9.45
B1	38.43	0.01	21.14	0.01	26.14		0.48	5.15	9.24
B1	38.86	0.01	21.49	0.01	26.07		0.76	4.77	9.19
B1	38.76	0.01	21.44	0.01	25.98		0.46	5.01	9.56
B1	38.69	0.01	21.61	0.04	25.99		0.53	4.94	9.29
B1	38.60	0.09	21.25	0.01	26.58		0.50	5.28	8.63
B1	38.99	0.01	21.53	0.01	26.12		0.45	5.05	9.48
B1	38.94	0.01	21.40	0.01	26.58		0.49	5.17	8.83
B1	38.48	0.01	21.36	0.01	26.79		0.47	5.44	8.35
B1	38.44	0.01	21.47	0.01	26.04		0.48	5.15	9.44
B1	38.89	0.01	21.44	0.01	26.39		0.49	5.29	8.86
B1	38.66	0.01	21.49	0.01	25.98		0.84	4.63	9.43

B1	38.81	0.01	21.52	0.01	26.48		0.45	5.27	8.48
B1	38.76	0.01	21.33	0.01	25.96		0.47	5.09	9.11
B1	38.82	0.01	21.55	0.01	26.42		0.52	5.31	8.65
B1	38.46	0.01	21.23	0.01	26.50		0.51	5.46	8.50
B1	38.86	0.01	22.06	0.04	26.41		0.50	5.41	8.59
B1	38.43	0.01	21.35	0.01	26.31		0.49	5.14	8.99
B1	38.46	0.01	21.21	0.01	26.38		0.49	5.02	9.09
B1	38.31	0.08	21.29	0.01	27.01		0.46	5.45	8.18
B1	38.12	0.01	21.24	0.01	26.63		0.50	5.46	8.43
B1	36.44	0.00	20.09	0.01	29.21		5.64	2.04	5.62
B1	37.02	0.01	20.72	0.00	29.12		5.77	1.64	5.80
B1	36.47	0.03	20.40	0.00	29.00		6.36	1.58	5.67
B1	37.11	0.03	20.57	0.00	24.46		3.15	0.93	13.20
B1	37.35	0.06	20.66	0.00	22.34		5.13	0.89	13.91
B1	37.07	0.00	19.64	0.03	22.18		5.38	0.65	14.32
B1	37.18	0.03	20.37	0.00	21.39		6.16	0.46	14.76
B1	38.41	0.20	19.56	0.05	18.98		6.08	0.36	15.34
B1	38.26	0.04	19.22	0.06	21.14		2.94	0.44	16.90
B1	38.04	0.06	21.41	0.00	17.53		2.68	0.19	21.24
B1	37.58	0.00	21.10	0.00	35.40	0.00	1.01	3.93	1.48
B1	37.36	0.00	20.92	0.00	36.56	0.00	1.43	2.82	1.47
B1	37.24	0.00	20.85	0.00	35.20	0.00	1.14	3.66	1.43
B1	36.97	0.00	20.83	0.00	35.48	0.00	2.20	2.38	1.38
B1	38.53	0.02	22.77	0.00	27.94	0.00	0.39	5.67	6.72
B1	38.25	0.00	21.43	0.00	29.72	0.00	0.62	5.41	5.92
B1	38.87	0.14	21.35	0.00	21.69	0.00	0.69	7.29	9.34
B1	38.45	0.01	21.29	0.00	24.21	0.00	0.95	5.85	8.43
B1	38.21	0.08	20.98	0.00	24.62	0.00	0.98	5.00	9.42
B1	39.69	0.00	22.35	0.00	23.63	0.00	0.59	7.90	6.47
B1	39.13	0.01	22.25	0.00	25.70	0.00	0.80	6.50	5.79
B1	39.06	0.00	22.04	0.00	27.96	0.28	1.02	6.12	5.39
B1	39.10	0.04	22.27	0.00	25.55	0.00	0.87	5.64	8.02
B1	39.43	0.04	22.36	0.02	20.98	0.13	0.48	7.78	9.32
B1	38.79	0.08	21.85	0.00	25.50	0.00	0.98	3.95	9.21
B1	38.24	0.16	20.72	0.00	24.09	0.00	1.54	3.53	12.27
B1	38.29	0.12	20.94	0.01	23.21	1.75	1.19	5.13	9.57
B1	38.29	0.53	20.72	0.02	24.64	0.80	1.25	4.64	9.42
B1	37.90	0.09	21.40	0.05	22.16	1.08	1.17	2.65	13.52
B1	37.63	0.05	21.28	0.07	22.09	1.09	1.49	2.52	13.19
B1	37.63	0.21	20.71	0.09	21.00	1.25	6.08	2.35	10.81
B1	38.65	0.00	21.16	0.00	24.20	0.02	2.40	3.51	10.07
B1	38.60	0.28	21.01	0.06	21.20	1.05	1.10	5.08	11.74
B1	38.53	0.16	21.71	0.07	18.09	0.31	1.82	6.55	12.09
B1	38.25	0.14	21.47	0.04	22.44	0.44	3.18	6.93	6.72
B1	38.55	0.13	21.69	0.06	19.69	0.62	1.54	7.25	10.64
B1	38.40	0.17	21.66	0.03	20.64	0.33	2.16	6.84	9.40
B1	38.84	0.09	21.10	0.00	23.60	1.47	0.66	7.03	7.90
B1	38.75	0.14	21.13	0.00	23.14	1.11	0.62	7.35	7.44
B1	38.53	0.14	21.47	0.00	24.12	0.65	0.65	7.12	7.25
B1	38.44	0.18	21.28	0.00	23.41	0.65	1.19	4.68	10.33

B1	37.80	0.10	21.08	0.06	24.89	0.38	1.77	3.40	9.82
B1	38.18	0.13	21.41	0.03	23.06	0.53	0.70	5.48	10.27
B1	37.67	0.09	20.76	0.01	25.98	0.97	2.36	2.47	9.99
B1	37.16	0.16	20.54	0.02	25.49	0.81	2.17	2.46	10.16
B1	37.27	0.07	20.94	0.01	24.49	0.77	1.86	3.66	10.39
B1	37.79	0.14	21.10	0.00	25.16	0.37	2.50	4.31	7.76
B1	38.44	0.00	21.67	0.04	23.89	0.40	1.97	7.54	5.80
B1	37.98	0.16	21.05	0.00	23.73	0.51	3.02	3.24	9.98
B1	37.79	0.14	21.10	0.00	25.16	0.37	2.50	4.31	7.76
B1	37.67	0.09	20.76	0.01	25.98	0.97	2.36	2.47	9.99
B1	37.67	0.12	22.09	0.03	23.53	2.16	1.66	4.54	9.21
B1	37.46	0.17	22.00	0.00	23.04	2.41	1.57	3.89	10.35
B1	37.55	0.12	21.99	0.01	23.26	2.84	2.12	4.74	8.56
B1	37.47	0.20	21.51	0.01	22.97	2.38	1.98	3.71	10.38
B1	37.90	0.17	21.46	0.02	22.76	1.49	2.59	3.13	11.16
B1	37.65	0.18	21.47	0.00	22.77	2.01	2.45	3.06	11.11
B1	38.55	0.15	21.71	0.08	17.89	2.73	0.77	7.47	11.05
B1	38.59	0.10	21.73	0.02	20.15	2.66	0.90	7.91	8.57
B1	39.01	0.10	21.42	0.00	25.20	0.00	1.93	3.96	8.37
B1	37.64	0.11	20.78	0.00	23.54	2.71	1.11	4.07	10.28
B1	41.43	0.00	23.10	0.00	15.79	0.00	0.75	12.74	8.42
B1	41.59	0.00	23.20	0.11	15.85	0.00	0.63	12.88	7.94
B1	38.60	0.13	20.91	0.03	22.84	2.68	1.13	5.06	10.26
B1	38.51	0.08	21.05	0.04	22.77	2.14	1.16	4.85	10.49
B1	38.18	0.17	20.57	0.03	21.55	2.18	1.61	4.24	11.67
B1	38.83	0.12	21.06	0.01	21.61	1.75	1.38	4.89	11.47
B1	38.52	0.09	20.77	0.04	21.65	1.79	1.79	3.95	12.10
B1	38.72	0.08	21.38	0.04	23.62	1.14	2.28	4.60	9.47
B1	38.85	0.06	21.60	0.03	26.70	1.06	1.57	6.92	4.49
B1	38.43	0.11	21.32	0.03	26.39	1.48	2.17	6.41	4.56
B1	39.34	0.11	21.88	0.04	22.41	1.54	1.48	9.37	5.04
B1	36.54	0.12	21.14	0.00	24.69	2.78	2.75	2.09	9.42
B1	37.03	0.17	21.42	0.03	25.61	2.19	2.59	2.24	9.15
B1	36.81	0.17	21.40	0.00	26.49	2.28	1.73	2.43	8.85
B1	36.97	0.15	21.27	0.03	24.85	2.26	4.03	1.74	9.54
B1	36.69	0.13	21.25	0.02	24.28	2.79	3.94	1.84	9.59
B1	37.44	0.10	21.34	0.00	25.66	0.89	3.08	2.85	8.43
B1	37.62	0.08	21.36	0.00	25.66	0.89	3.08	2.85	8.43
B1	37.43	0.09	21.19	0.01	25.98	1.02	3.71	3.07	7.36
B1	37.68	0.10	21.19	0.00	25.73	0.79	3.49	2.86	8.29
B1	37.49	0.08	21.32	0.01	25.38	1.29	3.57	2.92	8.26
B1	37.57	0.09	21.31	0.00	25.56	0.78	3.23	3.01	8.34
B1	37.54	0.04	21.28	0.02	26.14	1.04	3.21	3.12	7.67
B1	38.42	0.00	21.93	0.00	28.75	0.00	3.38	4.35	4.78
B1	38.34	0.00	22.02	0.00	28.84	0.00	2.83	3.30	7.03
B1	37.77	0.00	21.60	0.00	29.29	0.00	2.31	3.76	6.08
B1	38.52	0.00	22.25	0.00	29.43	0.00	3.29	3.56	5.92
B1	37.75	0.00	21.17	0.00	30.44	0.00	3.37	2.35	4.48
B1	36.92	0.00	21.56	0.00	30.00	0.00	3.66	3.23	5.25
B1	38.27	0.00	22.07	0.00	29.48	0.00	2.44	2.52	7.50

B1	37.49	0.00	21.28	0.00	29.84	0.00	0.65	1.96	8.64
B1	37.25	0.00	21.32	0.00	31.50	0.00	0.62	1.77	6.66
B1	37.20	0.00	21.33	0.00	30.16	0.00	0.90	2.02	7.84
B1	37.10	0.21	21.08	0.11	28.12	0.00	2.01	2.97	9.09
B1	37.73	0.09	21.27	0.00	26.94	0.00	0.70	4.43	9.49
B1	38.21	0.12	21.95	0.00	24.73	0.00	1.40	2.76	10.06
B1	38.27	0.11	21.78	0.05	24.46	0.00	0.42	4.81	9.44
B1	37.85	0.12	21.71	0.07	25.61	0.00	1.14	3.53	9.39
B1	38.37	0.00	21.78	0.00	26.26	0.00	0.43	0.44	9.16
B1	37.69	0.21	21.06	0.00	27.74	0.00	1.12	3.36	9.34
B1	37.99	0.20	21.88	0.00	26.89	0.00	0.50	4.40	8.86
B1	38.03	0.12	21.21	0.00	26.42	0.00	0.87	3.69	9.98
B1	38.26	0.10	21.31	0.01	26.08	0.00	0.98	3.98	9.27
B2	38.00	0.10	20.00		26.00		3.20	3.00	10.00
B2	38.00	0.00	21.60		28.30		0.90	4.60	6.90
B2	38.90	0.00	21.80		27.10		1.00	5.10	7.80
B5	37.29		21.65		29.00		6.12	4.62	0.34
B5	36.95		20.81		33.14		5.38	3.36	1.06
B5	37.34		20.86		29.99		6.77	4.09	1.05
B5	36.79		21.07		30.12		6.90	4.12	1.13
B5	37.39		20.94		31.02		5.51	3.72	1.06
B5	37.75		20.38		31.84		4.79	3.30	1.08
B5	37.32		21.29		30.50		5.94	4.02	0.95
B5	37.68		21.13		30.55		5.73	3.97	1.09
B5	37.38		20.87		31.27		5.64	3.66	1.11
B5	36.94	0.36	21.13	0.04	30.76	0.00	7.14	2.11	1.82
B5	37.12	0.03	20.07	0.07	32.49	0.00	5.53	2.14	1.80
B5	36.59	0.00	20.99	0.00	28.96	0.00	9.39	1.23	2.22
B5	36.66	0.02	21.16	0.00	36.12	0.16	1.59	6.19	2.26
B5	36.81	0.02	21.11	0.00	36.66	0.00	2.26	2.53	0.62
B5	37.23	0.06	21.04		27.93		9.56	1.00	2.81
B5	37.25	0.03	21.07		36.18		1.12	1.95	2.42
B5	37.38	0.00	20.89		21.29		5.44	2.38	1.38
B5	37.36	0.01	21.19		34.36		4.39	1.80	1.01
B5	37.36	0.04	21.24		31.61		7.38	2.22	0.82
B5	37.30	0.02	21.21		34.31		4.65	2.33	0.64
B5	37.33	0.01	20.95		31.10		6.15	2.76	1.74
B5	37.43	0.00	21.12		34.66		2.79	2.68	1.88
B5	36.94	0.01	21.37		32.18		5.98	1.19	2.90
B5	38.17		21.52		31.36		3.77	5.31	1.59
B5	38.16		21.53		31.19		4.32	4.45	1.53
B5	35.75		20.68		35.87		3.26	2.62	0.68
B5	36.02		20.46		36.22		3.60	2.20	0.60
B5	38.15	0.03	20.90	0.01	25.62		2.68	2.00	10.69
B5	39.33	0.07	22.09	0.07	21.18		0.91	7.68	8.91
B5	37.37	0.05	20.44	0.10	24.47		3.63	1.96	11.58
B5	38.34	0.07	21.67	0.05	24.31		0.97	2.19	13.13
B5	38.17	0.07	21.70	0.02	26.07		0.87	2.17	11.26
B5	37.72	0.01	21.13	0.00	35.73		3.00	2.16	1.44
B5	37.79	0.04	20.52	0.00	33.95		5.86	2.03	1.27

B5	38.01	0.01	20.95	0.00	33.89		2.93	3.24	2.04
B5	37.47	0.00	21.46	0.01	34.45		1.20	3.38	2.53
B5	36.48	0.06	21.21	0.00	35.94		1.77	1.97	2.09
B5	36.93	0.00	21.26	0.00	35.34		1.12	3.58	1.11
B5	37.74	0.00	21.73	0.00	36.51		0.73	3.39	0.97
B5	37.56	0.00	21.51	0.00	36.12		1.02	3.77	0.75
B5	37.41	0.00	21.12	0.00	37.09		0.64	3.40	0.53
B5	36.87	0.02	21.27	0.02	34.59		1.94	3.12	1.94
B5	36.80	0.00	20.89	0.00	34.69		2.56	2.53	1.89
B5	37.50	0.01	21.65	0.02	34.76		2.60	3.75	0.81
B5	36.78	0.00	21.57	0.00	35.02		2.75	3.19	0.50
B5	37.44	0.00	21.61	0.00	33.42		2.10	3.56	1.94
B5	38.20	0.00	21.76	0.00	30.31		1.46	3.54	5.15
B5	37.80	0.00	21.60	0.00	32.40		1.30	4.60	2.60
B5	37.30	0.04	20.26	0.00	27.76		2.79	1.06	8.93
B5	37.90	0.00	21.60	0.00	30.70		1.60	3.60	5.20
B5	37.80	0.00	21.60	0.00	32.40		1.30	4.60	2.60
B5	37.40	0.00	21.50	0.00	44.20		1.90	3.70	1.90
B5	38.00	0.00	21.70	0.00	30.80		0.80	3.80	5.30
B5	37.40	0.00	21.00	0.00	33.90		1.00	3.90	2.10
B5	37.70	0.00	21.20	0.00	33.90		1.00	4.00	1.50
B5	37.82	0.17	20.86	0.04	18.62		10.89	1.29	9.64
B5	37.59	0.14	20.89	0.00	12.03		20.01	0.40	8.91
B5	38.11	0.07	21.72	0.00	20.02		3.94	1.68	14.14
B5	37.59	0.20	20.71	0.05	16.28		14.42	0.60	10.22
B5	37.66	0.11	21.17	0.03	25.58		3.83	1.63	9.11
B5	37.99	0.22	20.96	0.02	15.53		14.54	0.68	10.04
B5	37.47	0.13	21.49	0.00	27.60		7.19	1.67	5.71
B5	37.30	0.09	21.41	0.00	28.28		4.11	1.25	6.56
B5	37.30	0.14	20.88	0.00	22.53		12.39	0.93	5.89
B5	36.78	0.10	20.56	0.00	18.12		16.57	0.57	6.43
B5	36.82	0.00	21.42	0.00	33.11		4.54	0.95	3.33
B5	36.65	0.09	20.92	0.00	24.28		9.19	0.32	7.99
B5	36.25	0.06	20.56	0.00	26.01		13.57	1.14	2.32
B5	36.75	0.07	21.36	0.00	25.07		9.76	1.96	4.48
B5	35.48	0.04	21.07	0.00	30.38		6.45	1.52	5.28
B5	37.58	0.02	21.64	0.00	24.35		11.73	2.16	4.17
B5	37.32	0.05	21.35	0.00	24.97		13.74	1.41	0.71
B5	36.88	0.17	21.07	0.00	19.11		16.78	1.87	3.44
B5	37.23	0.06	20.93	0.00	26.95		7.91	1.54	5.11
B5	36.97		21.01		29.78		8.10	1.94	1.16
B5	36.47		20.98		30.73		7.77	1.82	1.24
B5	36.65		20.81		30.53		7.91	1.82	1.19
B5	36.83		21.10		29.71		8.19	2.02	0.99
B5	37.05		21.05		30.41		7.83	1.91	1.40
B5	37.87		21.44		30.66		1.96	4.76	2.86
B5	37.58		21.29		31.68		1.98	4.61	2.61
B5	37.47		21.11		31.35		1.86	4.91	2.57
B5	37.95		21.31		31.66		2.02	4.27	3.04
B5	39.50		22.17		30.09		2.23	4.31	2.35

B5	38.19		21.69		31.31		0.79	6.09	2.17
B5	38.22		21.75		30.64		0.72	6.94	1.93
B5	38.44		21.70		32.18		0.81	5.45	2.23
B5	38.16		21.65		31.99		0.84	5.78	2.04
B5	38.13		21.57		31.67		0.75	6.17	2.07
B5	38.53		21.81		29.05		0.58	8.44	1.25
B5	38.34		21.62		29.87		0.63	7.96	1.22
B5	38.50		21.94		28.10		0.53	9.06	1.22
B5	38.69		22.25		27.90		0.49	9.39	1.26
B5	38.25		21.66		30.38		0.64	7.47	1.24
B5	36.99		20.71		36.25		4.51	1.87	0.77
B5	36.38		20.54		36.72		5.23	1.18	0.67
B5	37.33		21.01		35.18		3.14	3.14	0.84
B5	37.23		20.99		36.15		3.57	2.68	0.84
B5	36.89		20.71		36.87		4.98	1.64	0.79
B5	37.24		21.51		32.98		0.52	6.11	0.95
B5	36.83		21.41		33.04		0.50	6.53	0.91
B5	37.38		21.54		33.39		0.52	5.94	0.96
B5	37.51		21.57		33.27		0.56	5.87	0.95
B5	37.68		21.46		33.59		1.69	2.34	3.90
B5	37.89		21.46		32.74		1.56	2.85	4.37
B5	36.82	0.05	21.31		34.72		3.05	3.43	1.70
B5	36.81	0.05	20.66		37.37		0.33	3.11	1.60
B5	36.87	0.01	21.35		32.04		5.98	2.87	1.45
B5	37.58	0.02	21.35		32.48		5.80	2.69	1.26
B5	37.34		21.25		25.32		12.85	3.15	0.91
B5	37.84		21.33		23.46		13.82	3.12	1.47
B5	37.06		21.20		24.27		12.58	3.40	1.16
B5	37.77	0.04	21.49	0.03	33.10	0.00	1.04	5.46	1.79
B5	38.17	0.03	21.68	0.03	31.39	0.00	0.70	7.20	1.65
B5	38.09	0.07	21.39	0.01	30.94	0.00	0.74	6.25	3.22
B5	38.35	0.07	21.85	0.07	27.74	0.00	0.94	6.76	4.14
B5	38.37	0.05	21.86	0.09	24.17	0.00	1.05	6.63	7.58
B5	38.50	0.03	21.96	0.07	24.39	0.00	0.55	8.12	5.82
B5	37.41	0.03	21.36	0.02	35.20	0.00	2.34	3.11	1.17
B5	37.83	0.03	21.55	0.01	33.20	0.00	1.75	4.33	2.06
B5	37.61	0.12	21.13	0.00	25.66	0.00	3.87	2.44	8.73
B5	36.98	0.01	22.80	0.02	31.67	0.00	2.22	5.68	1.16
B5	37.03	0.04	22.33	0.01	33.05	0.00	2.71	4.16	1.14
B5	37.55	0.00	22.57	0.01	32.33	0.00	2.15	5.24	1.25
B5	37.15	0.01	21.10	0.02	33.19	0.00	0.69	4.94	2.33
B5	36.93	0.01	21.06	0.01	35.39	0.00	1.03	3.99	1.24
B5	37.63	0.00	21.32	0.00	31.76	0.00	0.34	5.17	3.60
B5	38.14	0.00	21.49	0.00	30.84	0.00	0.31	5.36	3.89
B5	37.29	0.00	21.52	0.00	32.21	0.00	0.49	2.44	6.60
B5	38.01	0.00	21.78	0.00	34.29	0.00	0.27	4.86	1.77
B5	38.31	0.00	21.76	0.00	32.57	0.00	0.66	4.23	4.03
B5	36.81	0.00	21.00	0.00	29.92	0.00	4.83	1.00	6.33
B5	37.14	0.00	21.31	0.00	32.61	0.00	1.18	3.79	3.56
B5	37.43	0.00	21.48	0.00	32.96	0.00	0.36	4.45	3.23

B5	37.18	0.12	20.94	0.00	28.72	0.00	3.36	1.41	7.96
B5	37.18	0.19	20.92	0.00	33.90	0.00	2.43	2.36	2.68
B5	36.69	0.00	21.24	0.00	31.54	0.00	0.98	4.29	4.00
B5	36.92	0.11	21.45	0.00	30.46	0.00	0.49	4.57	5.18
B5	36.57	0.00	20.87	0.00	30.96	0.00	4.82	1.11	5.40
B5	37.18	0.00	20.94	0.00	31.56	0.00	1.40	4.16	3.98
B5	37.28	0.00	21.19	0.00	31.42	0.00	1.16	3.83	4.52
B5	37.25	0.20	21.03	0.00	27.14	0.00	7.77	0.70	6.75
B5	38.32	0.00	21.44	0.00	31.42	0.00	0.57	5.71	2.90
B5	37.72	0.00	21.01	0.00	27.85	0.00	2.33	1.49	9.29
B5	38.02	0.00	21.36	0.00	32.95	0.00	0.42	5.18	2.24
B5	36.78	0.10	21.15	0.00	34.76	0.00	0.34	2.91	4.01
B5	38.80	0.00	21.90	0.00	29.00	0.00	0.50	7.70	3.50
B5	38.80	0.00	22.10	0.00	29.00	0.00	0.50	7.80	3.40
B5	38.20	0.00	18.60	0.00	32.50	0.00	1.10	4.70	2.90
B5	36.70	0.00	20.80	0.00	34.00	0.00	5.50	2.30	0.50
B5	35.98	0.15	20.65	0.00	19.81	0.00	11.46	0.45	8.62
B5	35.68	0.14	21.25	0.00	26.73	0.00	4.69	0.66	9.34
B5	35.89	0.22	20.86	0.00	21.59	0.00	11.08	0.67	7.34
B5	37.43	0.08	21.57	0.00	28.36	0.00	4.25	1.00	8.21
B5	37.52	0.17	21.15	0.21	21.37	0.00	10.86	0.65	8.28
B5	37.89	0.10	21.68	0.00	27.32	0.00	3.25	1.06	9.24
B5	37.92	0.13	20.93	0.00	26.54	0.00	7.39	0.89	7.89
B5	36.65	0.07	21.05	0.06	30.41	0.00	1.47	1.19	9.40
B5	37.71	0.12	21.44	0.00	26.77	0.00	4.81	0.77	8.52
B5	37.42	0.09	21.94	0.00	28.29	0.00	2.22	1.20	8.13
B5	36.32	0.11	20.82	0.00	23.65	0.00	9.97	0.56	7.15
B5	37.76	0.07	21.66	0.00	32.03	0.00	0.20	1.60	7.63
B5	38.25	0.13	21.59	0.00	29.00	0.00	1.97	0.81	9.61
B5	38.26	0.06	21.29	0.00	33.82	0.00	0.60	1.70	5.61
B5	37.49	0.15	20.20	0.07	27.11	0.00	2.89	1.03	9.95
B5	37.03	0.05	19.97	0.12	30.70	0.00	1.00	1.68	7.77
B5	37.62	0.00	20.56	0.00	38.29	0.00	0.53	2.34	1.97
B5	37.06	0.06	20.88	0.00	37.17	0.00	0.47	2.53	1.76
B5	37.23	0.00	21.26	0.11	33.08	0.00	3.33	2.47	2.37
B5	38.13	0.03	21.48	0.00	37.09	0.00	0.47	3.40	0.89
B5	38.43	0.00	20.47	0.00	33.56	0.00	3.50	3.19	2.39
B5	37.82	0.00	20.67	0.00	32.30	0.00	2.96	2.76	2.24
B5	37.16	0.00	21.48	0.00	31.96	0.00	4.24	2.92	2.01
B5	36.76	0.00	21.91	0.00	31.55	0.00	3.98	3.01	1.90
B5	36.43	0.00	21.37	0.00	28.47	0.00	6.50	3.58	0.95
B5	36.64	0.00	21.46	0.00	30.32	0.00	6.45	3.76	1.15
B5	37.62	0.00	21.49	0.00	28.45	0.00	10.15	2.63	1.09
B5	36.39	0.18	21.25	0.00	26.26	0.00	10.89	2.02	1.06
B5	37.30	0.25	21.31	0.00	33.88	0.00	1.78	3.41	1.48
B5	36.61	0.28	21.29	0.00	34.93	0.00	3.16	1.93	1.49
B5	36.85	0.00	20.01	0.00	37.77	0.00	0.88	3.62	0.60
B5	36.51	0.07	21.66	0.00	34.97	0.00	2.69	2.23	1.17
B5	36.54	0.12	21.58	0.00	36.00	0.00	0.99	3.60	1.12
B5	36.97	0.15	21.17	0.00	35.59	0.00	2.64	2.25	1.10

B5	37.13	0.00	22.94	0.00	34.85	0.00	0.83	2.99	1.64
B5	37.86	0.00	21.59	0.00	34.35	0.00	1.75	2.32	1.87
B5	38.03	0.15	22.14	0.00	33.65	0.00	1.24	3.19	0.95
B5	36.98	0.09	22.30	0.00	32.66	0.00	3.88	1.97	1.22
B5	35.98	0.15	20.65	0.00	19.81	0.00	11.46	0.45	8.62
B5	35.68	0.14	21.25	0.00	26.73	0.00	4.69	0.66	9.34
B5	35.89	0.22	20.86	0.00	21.59	0.00	11.08	0.67	7.34
B5	37.43	0.08	21.57	0.00	28.36	0.00	4.25	1.00	8.21
B5	37.52	0.17	21.15	0.21	21.37	0.00	10.86	0.65	8.28
B5	37.89	0.10	21.68	0.00	27.32	0.00	3.25	1.06	9.24
B5	37.92	0.13	20.93	0.00	26.54	0.00	7.39	0.89	7.89
B5	36.65	0.07	21.05	0.06	30.41	0.00	1.47	1.19	9.40
B5	37.71	0.12	21.44	0.00	26.77	0.00	4.81	0.77	8.52
B5	37.42	0.09	21.94	0.00	28.29	0.00	2.22	1.20	8.13
B5	36.32	0.11	20.82	0.00	23.65	0.00	9.97	0.56	7.15
B5	37.76	0.07	21.66	0.00	32.03	0.00	0.20	1.60	7.63
B5	38.25	0.13	21.59	0.00	29.00	0.00	1.97	0.81	9.61
B5	38.26	0.06	21.29	0.00	33.82	0.00	0.60	1.70	5.61
B5	37.49	0.15	20.20	0.07	27.11	0.00	2.89	1.03	9.95
B5	37.03	0.05	19.97	0.12	30.70	0.00	1.00	1.68	7.77
B5	37.62	0.00	20.56	0.00	38.29	0.00	0.53	2.34	1.97
B5	37.06	0.06	20.88	0.00	37.17	0.00	0.47	2.53	1.76
B5	37.23	0.00	21.26	0.11	33.08	0.00	3.33	2.47	2.37
B5	38.13	0.03	21.48	0.00	37.09	0.00	0.47	3.40	0.89
B5	38.43	0.00	20.47	0.00	33.56	0.00	3.50	3.19	2.39
B5	37.82	0.00	20.67	0.00	32.30	0.00	2.96	2.76	2.24
B5	37.16	0.00	21.48	0.00	31.96	0.00	4.24	2.92	2.01
B5	36.76	0.00	21.91	0.00	31.55	0.00	3.98	3.01	1.90
B5	36.43	0.00	21.37	0.00	28.47	0.00	6.50	3.58	0.95
B5	36.64	0.00	21.46	0.00	30.32	0.00	6.45	3.76	1.15
B5	37.62	0.00	21.49	0.00	28.45	0.00	10.15	2.63	1.09
B5	36.39	0.18	21.25	0.00	26.26	0.00	10.89	2.02	1.06
B5	37.30	0.25	21.31	0.00	33.88	0.00	1.78	3.41	1.48
B5	36.61	0.28	21.29	0.00	34.93	0.00	3.16	1.93	1.49
B5	36.85	0.00	20.01	0.00	37.77	0.00	0.88	3.62	0.60
B5	36.51	0.07	21.66	0.00	34.97	0.00	2.69	2.23	1.17
B5	36.54	0.12	21.58	0.00	36.00	0.00	0.99	3.60	1.12
B5	36.97	0.15	21.17	0.00	35.59	0.00	2.64	2.25	1.10
B5	37.13	0.00	22.94	0.00	34.85	0.00	0.83	2.99	1.64
B5	37.86	0.00	21.59	0.00	34.35	0.00	1.75	2.32	1.87
B5	38.03	0.15	22.14	0.00	33.65	0.00	1.24	3.19	0.95
B5	36.98	0.09	22.30	0.00	32.66	0.00	3.88	1.97	1.22
B5	36.70	0.00	20.90	0.00	37.50	0.00	0.24	4.40	0.45
B5	36.50	0.00	20.90	0.00	37.60	0.00	0.45	3.80	0.59
B5	37.90	0.00	19.60	0.00	38.80	0.00	0.33	3.40	0.78
B5	37.10	0.00	20.60	0.00	38.90	0.00	0.28	3.30	0.48
B5	37.30	0.00	21.30	0.00	36.30	0.00	0.55	4.30	0.66
B5	38.10	0.00	20.80	0.00	34.80	0.00	0.61	3.10	3.10
B5	37.40	0.00	21.30	0.00	33.10	0.00	0.92	4.00	4.10
B5	38.40	0.00	21.60	0.00	33.00	0.00	0.47	4.00	4.00

B5	36.90	0.00	20.30	0.00	34.40	0.00	0.11	2.71	4.60
B5	37.40	0.00	21.80	0.00	31.30	0.00	0.75	3.80	4.70
B5	37.80	0.00	20.90	0.00	30.50	0.00	0.86	2.97	6.40
B5	37.60	0.00	20.80	0.00	30.70	0.00	0.32	3.50	6.10
B5	36.90	0.00	21.00	0.00	31.20	0.00	0.66	2.82	6.90
B5	36.90	0.00	21.00	0.00	29.80	0.00	0.67	1.93	8.30
B5	37.77	0.02	21.29	0.00	34.52	0.00	0.75	2.43	3.89
B5	36.33	0.05	19.86	0.00	34.37	0.00	3.56	1.52	2.56
B5	37.21	0.10	19.79	0.00	33.47	0.00	1.19	2.01	5.58
B5	36.81	0.08	21.33	0.00	32.05	0.00	3.18	1.61	5.96
B5	35.70	0.04	21.38	0.02	33.94	0.00	0.39	5.46	2.17
B5	36.39	0.09	20.99	0.02	33.53	0.00	0.66	4.69	3.22
B5	36.54	0.03	20.72	0.00	32.74	0.00	0.94	3.60	4.80
B5	37.02	0.07	20.43	0.00	32.24	0.00	2.36	2.89	5.05
B5	37.79	0.08	20.30	0.04	32.40	0.00	1.83	2.43	5.65
B5	37.46	0.10	20.44	0.12	33.29	0.00	2.07	2.47	5.32
B5	35.85	0.06	20.62	0.05	32.13	0.00	2.53	2.03	6.15
B5	37.10	0.08	20.45	0.00	33.31	0.00	2.05	2.31	5.56
B5	37.89	0.06	20.43	0.04	32.76	0.00	1.86	2.54	5.49
B5	38.08	0.02	20.84	0.03	33.34	0.00	0.91	4.25	3.91
B5	37.65	0.08	20.65	0.00	34.74	0.00	0.82	4.78	2.10
B5	38.44	0.00	22.10	0.00	33.84	0.00	1.04	4.72	1.06
B5	38.13	0.00	22.16	0.00	33.07	0.00	1.06	4.73	1.31
B5	37.69	0.00	21.77	0.00	32.12	0.00	0.88	5.76	1.40
B5	38.70	0.00	21.98	0.00	32.22	0.00	1.00	5.53	1.55
B5	38.48	0.00	21.98	0.00	32.24	0.00	0.92	5.27	1.53
B5	38.48	0.00	22.33	0.00	32.75	0.00	1.01	4.97	1.40
B5	39.21	0.00	21.67	0.00	32.99	0.00	1.03	4.65	1.38
B5	39.08	0.00	22.21	0.00	32.92	0.00	1.06	5.03	1.45
B5	39.26	0.00	21.97	0.00	33.50	0.00	1.01	5.25	1.47
B5	38.03	0.00	22.50	0.00	34.23	0.00	1.94	4.19	1.19
B5	37.49	0.00	22.62	0.00	32.54	0.00	1.88	4.39	1.11
B5	37.49	0.00	22.68	0.00	33.96	0.00	2.03	4.61	1.16
B5	37.78	0.00	22.10	0.00	33.82	0.00	1.71	4.53	1.14
B5	37.88	0.00	21.71	0.00	33.53	0.00	1.81	4.19	1.14
B5	37.86	0.00	21.85	0.00	34.17	0.00	1.86	4.34	1.03
B5	37.86	0.00	22.04	0.00	32.84	0.00	1.80	4.98	1.12
B5	37.68	0.00	21.85	0.00	32.96	0.00	1.76	5.00	1.34
B5	37.42	0.00	21.68	0.00	33.11	0.00	1.80	4.73	1.21
B5	36.61	0.20	21.17	0.00	22.54	0.00	8.32	0.66	9.95
B5	37.35	0.11	20.90	0.00	25.92	0.00	5.54	1.02	7.75
B5	37.15	0.10	20.98	0.00	27.20	0.00	5.25	1.27	6.37
B5	38.12	0.13	20.71	0.00	29.51	0.00	4.50	1.50	4.58
B5	36.99	0.00	20.93	0.00	30.72	0.00	3.47	1.71	4.55
B5	37.24	0.00	21.54	0.00	34.06	0.00	1.46	2.34	3.81
B5	37.57	0.10	21.51	0.00	34.97	0.00	0.39	2.69	2.62
B5	37.11	0.09	21.26	0.00	32.65	0.00	0.29	2.08	6.50
B5	36.55	0.00	20.54	0.00	27.51	2.40	5.85	1.62	5.77
B5	36.66	0.00	20.45	0.00	30.65	2.34	2.37	2.57	4.85
B5	36.26	0.00	19.99	0.00	31.03	3.33	1.98	2.82	3.79

B5	36.57	0.00	20.37	0.00	31.89	3.31	0.89	4.31	2.53
B5	37.25	0.00	20.79	0.00	31.06	2.81	0.23	5.94	2.07
B5	36.12	0.00	19.81	0.00	30.31	4.17	2.58	2.27	4.84
B5	37.15	0.00	19.78	0.00	32.37	3.49	0.29	5.04	2.17
B5	37.13	0.02	21.14	0.00	38.46	0.00	0.67	2.08	0.60
B5	37.40	0.02	21.00	0.00	21.30	0.00	15.23	0.50	4.26
B5	37.60	0.03	20.78	0.00	35.17	0.00	1.63	1.58	3.46
B5	38.08	0.06	21.05	0.11	26.65	0.00	4.27	2.45	7.48
B5	37.81	0.10	21.05	0.02	35.22	0.00	1.82	3.15	1.10
B5	37.77	0.10	21.48	0.01	17.30	0.00	1.16	2.88	8.62
B5	37.34	0.00	20.94	0.02	33.88	0.00	1.45	3.18	1.93
B5	37.54	0.18	20.83	0.02	24.82	0.00	5.39	0.98	9.57
B5	37.75	0.00	20.92	0.00	37.86	0.00	0.46	2.32	0.40
B5	38.61	0.01	21.43	0.01	31.38	0.00	1.53	4.99	3.22
B5	37.59	0.01	20.80	0.00	27.29	0.00	8.28	2.95	2.23
B5	37.93	0.00	21.42	0.00	33.87	0.00	0.46	3.51	3.15
B5	38.14	0.03	21.10	0.06	31.18	0.00	2.77	3.78	2.90
B5	37.13	0.05	21.11	0.00	37.06	0.00	1.68	1.53	2.03
B5	37.32	0.05	20.87	0.00	26.10	0.00	11.37	1.09	4.35
B5	37.53	0.00	20.98	0.00	33.66	0.00	4.09	2.08	2.47
B5	38.16	0.03	21.10	0.01	24.84	0.00	9.05	4.36	2.56
B5	37.32	0.05	20.90	0.00	29.48	0.00	5.52	1.22	5.58
B5	38.14	0.00	20.86	0.00	28.81	0.00	3.32	1.26	9.20
B5	38.61	0.03	21.44	0.00	28.36	0.00	0.74	4.87	6.84
B5	38.18	0.00	20.91	0.00	27.42	0.00	8.48	2.57	2.17
B5	37.23	0.00	20.97	0.00	37.19	0.00	0.45	3.63	0.53
B5	37.25	0.01	20.81	0.00	37.11	0.00	0.57	2.61	0.71
B5	35.65	0.16	20.63	0.00	14.54	0.96	22.10	0.42	3.98
B5	35.73	0.19	20.69	0.00	13.74	2.02	22.49	0.33	4.51
B5	36.47	0.05	21.40	0.00	25.26	1.49	8.30	2.20	4.73
B5	35.94	0.18	20.31	0.00	19.93	1.99	15.01	1.10	4.72
B5	36.80	0.08	21.19	0.00	28.22	0.87	5.88	2.12	4.77
B5	35.74	0.15	20.40	0.00	21.24	0.77	13.97	1.37	3.94
B5	35.92	0.20	20.58	0.00	20.82	2.22	14.11	1.23	4.55
B5	36.71	0.08	21.10	0.00	23.60	1.69	9.65	2.53	4.75
B5	35.81	0.13	20.64	0.00	16.39	1.34	20.53	0.54	3.74
B5	36.15	0.24	20.52	0.00	15.98	1.56	20.54	0.42	4.62
B5	36.79	0.06	21.22	0.00	24.87	0.50	7.83	2.36	5.50
B5	35.66	0.18	20.61	0.00	17.84	1.48	18.52	0.64	3.96
B5	36.05	0.14	20.66	0.00	17.55	2.13	18.19	0.63	4.79
B5	36.66	0.05	21.01	0.00	25.24	1.59	8.38	2.32	4.69
B5	35.97	0.15	20.49	0.00	17.45	0.76	19.03	0.91	3.75
B5	36.40	0.22	20.74	0.00	23.83	0.77	10.21	2.13	4.50
B5	36.07	0.13	20.51	0.00	21.48	0.64	14.47	1.27	3.78
B5	36.28	0.05	20.90	0.00	21.52	1.95	14.70	1.30	3.67
B5	37.86	0.00	21.63	0.00	33.18	0.00	1.15	0.88	6.55
B5	38.32	0.00	21.50	0.00	31.26	0.00	1.46	0.97	7.95
B5	38.05	0.00	21.30	0.00	35.13	0.00	2.36	0.93	4.58
B5	37.55	0.00	21.02	0.00	33.68	0.00	3.03	0.99	3.88
B5	38.19	0.00	21.61	0.00	33.89	0.00	0.68	0.88	6.91

B5	37.23	0.00	20.61	0.00	36.18	0.00	2.39	2.73	0.36
B5	37.59	0.00	20.89	0.00	36.91	0.13	2.87	2.37	0.50
B5	36.69	0.05	20.95	0.00	26.20	0.00	12.44	0.87	2.48
B5	36.92	0.07	21.35	0.00	32.58	0.00	5.24	1.25	2.81
B5	37.18	0.08	21.03	0.00	34.47	0.00	1.88	1.83	3.70
B5	37.38	0.03	21.25	0.00	37.33	0.00	1.15	1.33	3.69
B5	37.82	0.02	21.73	0.00	31.87	0.00	3.14	3.83	3.75
B5	37.48	0.00	21.49	0.00	32.66	0.00	3.19	3.49	3.44
B5	37.37	0.04	21.76	0.00	31.86	0.00	3.37	3.27	4.19
B5	37.29	0.02	21.16	0.00	33.51	0.00	3.39	3.06	2.88
B5	37.47	0.00	21.52	0.00	33.70	0.00	3.27	3.03	3.04
B5	37.84	0.07	21.13	0.00	35.11	0.00	1.04	2.99	2.39
B5	37.87	0.03	21.36	0.00	32.92	0.00	0.98	2.76	4.67
B5	37.71	0.09	20.72	0.00	34.86	0.00	1.23	2.54	3.53
B5	37.60	0.08	20.85	0.00	34.55	0.00	1.21	2.85	2.74
B5	36.66	0.01	20.52	0.00	40.06	0.00	0.97	0.20	2.13
B5	37.00	0.16	20.50	0.00	35.82	0.00	3.74	1.15	1.76
B5	37.66	0.10	20.85	0.00	27.46	0.00	3.63	0.46	9.76
B5	37.76	0.21	21.03	0.00	25.99	0.00	5.45	0.48	9.91
B5	36.93	0.06	20.91	0.00	34.84	0.00	4.28	0.08	2.97
B5	37.85	0.02	21.15	0.05	28.50	0.00	1.27	7.33	1.68
B5	37.06	0.04	21.19	0.02	30.58	0.00	1.48	6.42	1.33
B5	39.11	0.02	22.69	0.60	26.19	0.00	0.35	11.79	0.20
B5	39.21	0.00	22.21	0.00	25.03	0.60	0.40	12.20	0.37
B5	38.31	0.00	21.71	0.00	26.64	1.60	0.35	10.78	0.39
B5	38.98	0.02	22.10	0.05	25.77	0.78	0.46	11.22	0.46
B5	38.93	0.01	21.59	0.01	28.29	0.00	0.38	10.32	0.38
B5	36.50	0.00	20.32	0.00	30.97	0.00	7.00	0.94	3.49
B5	36.76	0.00	20.39	0.00	31.48	0.00	5.78	0.96	4.14
B5	36.81	0.00	20.10	0.00	24.28	0.00	13.64	0.32	4.31
B5	37.09	0.00	20.95	0.00	33.88	0.00	2.47	1.39	5.10
B5	36.69	0.00	20.09	0.00	19.67	0.00	19.67	0.88	2.71
B5	37.05	0.00	20.46	0.00	27.38	0.00	10.84	1.49	2.75
B5	36.83	0.00	20.57	0.00	22.69	0.00	15.76	0.64	3.50
B5	37.21	0.00	20.94	0.00	33.35	0.00	6.43	1.55	1.82
B5	36.96	0.00	20.57	0.00	28.08	0.00	7.13	0.73	6.34
B5	37.01	0.00	20.74	0.00	35.13	0.00	4.39	1.52	0.95
B5	37.21	0.00	20.66	0.00	30.94	0.00	5.90	1.10	4.32
B5	37.51	0.00	21.04	0.00	35.56	0.00	1.53	1.89	3.47
B5	37.76	0.00	21.44	0.00	30.06	0.00	1.47	4.64	4.98
B5	36.77	0.00	20.99	0.00	34.51	0.00	2.80	2.18	2.89
B5	37.36	0.00	21.24	0.00	35.02	0.00	2.67	2.99	1.06
B5	37.48	0.00	21.00	0.00	35.33	0.00	2.23	3.44	1.20
B5	37.76	0.00	21.38	0.00	31.44	0.00	5.77	3.53	1.16
B5	36.60	0.00	20.52	0.00	35.32	0.00	6.15	1.27	0.54
B5	38.53	0.00	21.81	0.00	31.16	0.00	0.83	6.06	2.60
B5	38.79	0.00	21.66	0.00	24.79	0.00	0.58	8.97	4.40
B5	37.38	0.02	22.05	0.00	33.97	0.00	1.91	4.54	1.80
B5	37.31	0.03	21.87	0.00	33.80	0.00	2.52	3.65	1.77
B5	38.05	0.00	21.50	0.00	34.23	0.00	2.60	4.52	1.54

B5	37.95	0.02	21.73	0.00	34.68	0.00	1.89	3.34	1.97
B5	37.15	0.04	21.80	0.00	34.05	0.00	0.89	4.46	1.54
B5	36.76	0.00	21.39	0.00	35.17	0.00	2.30	2.83	0.86
B5	38.05	0.03	22.18	0.00	31.20	0.00	1.73	1.68	6.92
B5	37.30	0.00	21.50	0.00	35.23	0.00	3.03	2.19	1.21
B5	37.20	0.07	20.81	0.00	27.32	0.00	4.80	1.37	8.44
B5	37.62	0.03	21.16	0.00	31.38	0.00	1.38	2.17	7.25
B5	36.86	0.00	21.05	0.00	31.51	0.00	3.44	2.51	5.31
B5	36.86	0.00	21.09	0.00	33.65	0.00	2.04	2.81	3.51
B5	37.06	0.05	21.04	0.00	28.63	0.00	5.93	1.22	6.83
B5	37.01	0.13	21.24	0.00	31.68	0.00	2.35	1.87	5.84
B5	37.67	0.05	21.36	0.00	32.49	0.00	2.18	2.73	4.34
B5	37.60	0.02	21.47	0.00	33.44	0.00	1.47	2.97	3.38
B5	37.50	0.10	21.07	0.00	30.33	0.00	2.49	2.44	7.05
B5	37.53	0.02	21.06	0.00	33.61	0.00	0.27	4.44	3.66
B5	37.42	0.00	21.38	0.00	31.71	0.00	1.17	2.42	6.23
B5	37.73	0.00	21.14	0.00	32.75	0.00	0.27	3.48	4.71
B5	36.65	0.15	20.28	0.00	36.22	0.00	0.54	2.55	3.85
B5	35.93	0.11	20.13	0.00	25.70	3.85	3.84	1.84	8.47
B5	36.62	0.30	19.66	0.00	25.68	3.83	4.04	0.88	8.17
B5	36.96	0.13	19.92	0.00	32.04	2.21	1.08	1.88	4.88
B5	36.55	0.13	19.97	0.00	32.48	1.15	0.90	2.28	5.13
B5	36.44	0.16	19.02	0.00	32.06	2.20	0.48	3.02	6.43
B5	37.45	0.18	19.74	0.00	32.68	2.52	0.56	2.15	3.60
B5	36.90	2.00	19.73	0.00	31.85	2.50	0.53	3.36	4.54
B5	37.08	0.47	19.84	0.00	32.04	2.58	0.32	2.79	5.15
B5	36.64	0.14	20.11	0.00	35.71	0.98	0.50	3.09	2.00
B5	37.82	0.50	19.60	0.00	29.58	3.18	0.60	2.76	6.48
B5	37.14	0.43	19.88	0.00	28.28	2.18	2.27	2.59	6.88
B5	37.15	0.69	20.26	0.00	25.95	3.18	0.52	3.34	8.87
B5	37.71	0.00	21.46	0.00	36.37	0.00	0.85	3.81	0.95
B5	38.04	0.00	21.17	0.00	33.77	0.00	2.71	3.99	1.10
B5	37.11	0.00	20.55	0.00	34.20	0.00	0.36	1.06	6.47
B5	37.15	0.00	21.00	0.00	27.80	0.00	5.39	0.53	8.63
B5	38.20	0.00	21.48	0.00	31.57	0.00	0.66	1.14	8.72
B5	37.76	0.00	21.23	0.00	30.81	0.00	1.54	1.15	7.81
B5	37.65	0.00	21.27	0.00	32.92	0.00	0.68	1.84	6.31
B5	37.51	0.00	21.15	0.00	32.18	0.00	0.56	1.88	6.64
B5	38.25	0.00	21.36	0.00	30.68	0.00	1.35	0.85	8.97
B5	38.65	0.00	21.75	0.00	30.18	0.00	2.01	1.06	9.09
B5	37.78	0.00	21.41	0.06	33.93	0.00	1.68	4.87	1.34
B5	37.36	0.04	21.43	0.00	29.15	0.00	8.71	2.59	1.30
B5	35.90	0.00	21.17	0.00	30.87	0.00	7.25	2.65	1.29
B5	36.76	0.04	21.28	0.00	29.57	0.00	5.46	3.36	1.68
B5	36.35	0.03	21.26	0.00	31.35	0.00	6.39	3.08	1.42
B5	37.03	0.02	20.98	0.00	30.15	0.00	7.36	2.66	1.83
B5	35.93	0.02	21.46	0.00	31.17	0.00	8.38	2.45	2.01
B5	36.52	0.09	20.91	0.00	27.24	0.00	8.89	2.78	1.94
B5	36.97	0.01	20.14	0.00	30.48	0.00	6.27	2.48	1.45
B5	36.86	0.01	21.28	0.00	27.75	0.00	10.00	3.06	1.10

B5	36.99	0.04	21.35	0.00	27.54	0.00	11.55	2.26	1.08
B5	36.99	0.04	21.02	0.00	23.99	0.00	13.23	2.98	1.05
B5	36.90	0.00	21.31	0.00	24.69	0.00	13.95	2.38	1.05
B5	36.54	0.08	21.00	0.00	26.94	0.00	10.51	2.64	0.62
B5	36.65	0.01	21.22	0.00	27.23	0.00	10.67	2.29	0.74
B5	37.01	0.01	21.12	0.00	32.56	0.00	4.94	3.96	0.90
B5	37.04	0.00	21.69	0.00	32.62	0.00	6.61	3.03	0.60
B5	36.70	0.00	21.52	0.00	32.67	0.00	5.43	3.48	0.88
B5	36.88	0.00	21.52	0.00	29.73	0.00	10.14	2.34	1.04
B5	37.54	0.00	21.75	0.00	32.28	0.00	4.22	4.34	0.67
B5	36.81	0.02	21.19	0.00	32.74	0.00	5.03	3.64	0.77
B5	37.28	0.25	21.15		34.45	0.83	0.94	4.36	0.43
B6	36.34	0.00	21.84		30.23	0.07	2.48	4.80	3.67
B6	37.40	0.00	20.39		31.25	0.21	0.69	1.75	8.46
B6	34.98	0.00	21.14		33.15	6.23	0.86	0.62	2.86
B6	36.49	0.00	20.97		33.49	0.00	0.95	1.45	7.47
B6	38.91	0.00	18.23		29.84	4.37	0.97	1.78	6.78
B6	37.60	0.30	21.80		30.70	0.70	0.60	1.40	7.20
B6	36.67		20.65		26.11		15.17	0.71	0.60
B6	36.58		20.82		24.33		17.29	0.50	0.59
B6	37.23		20.92		34.63		3.85	1.68	1.64
B6	37.24		21.02		34.83		4.32	1.36	1.57
B6	36.92		20.44		25.53		13.71	1.43	1.39
B6	37.02		20.80		25.73		12.90	2.01	1.28
B6	37.08		20.98		24.27		14.90	1.59	1.32
B6	37.62	0.00	21.46		32.09		0.34	2.62	6.17
B6	37.88	0.00	21.66		30.90		0.81	1.46	8.42
B6	38.11	0.00	22.24		27.89		3.31	2.38	7.83
B6	37.87	0.00	21.73		24.80		8.10	1.16	8.08
B6	38.17	0.00	21.54		28.39		4.57	1.86	6.43
B6	37.84	0.00	21.34		28.52		4.78	1.52	7.25
B6	38.00	0.00	21.86		28.47		3.50	2.67	6.89
B6	35.60	0.00	20.95		23.27		10.23	1.34	6.69
C1	40.54	0.27	22.48	0.08	16.82		0.41	13.54	6.20
C1	38.28	0.28	21.51	0.05	24.15		0.52	8.08	6.72
C1	39.52	0.29	21.95	0.06	21.67		0.56	9.53	6.32
C1	39.23	0.21	21.52	0.07	23.41		0.64	9.48	6.13
C1	39.66	0.22	21.92	0.09	19.89		0.57	11.64	5.93
C1	39.17	0.17	21.82	0.04	23.78		0.52	8.61	6.40
C1	39.62	0.31	22.08	0.11	20.80		0.51	7.80	8.60
C1	39.01	0.26	21.87	0.07	21.29		0.52	10.54	6.20
C1	39.38	0.23	21.75	0.08	20.09		0.52	11.59	6.02
C1	38.79	0.25	21.88	0.05	22.84		0.53	8.23	7.61
C1	38.42	0.31	21.51	0.06	24.92		0.49	6.69	8.34
C1	40.28	0.22	22.48	0.08	14.55		0.33	13.40	7.99
C1	39.17	0.15	21.60	0.09	23.29		0.79	9.73	5.97
C1	39.01	0.19	21.53	0.07	23.76		0.79	9.64	5.61
C1	40.77	0.17	22.19	0.09	13.00		0.52	17.58	5.41
C1	39.64	0.14	21.35	0.00	24.69		0.82	7.26	7.25
C1	39.40	0.08	21.74	0.07	23.92		0.58	8.22	6.27

C1	38.53	0.16	20.74	0.00	23.76		1.01	6.61	8.93
C1	39.06	0.26	20.77	0.00	27.62		0.91	4.66	8.09
C1	39.00	0.15	20.99	0.00	27.05		0.70	5.30	7.68
C1	40.00	0.00	21.71	0.00	26.23		0.40	6.63	7.48
C1	37.77	0.20	20.54	0.00	25.99		2.17	3.55	9.51
C1	35.58		22.02		23.54		0.64	8.74	6.65
C1	37.74		21.98		23.49		0.68	8.70	6.67
C1	38.42		22.02		23.51		0.60	8.76	6.47
C1	38.41		22.12		23.61		0.59	8.54	6.56
C1	38.69		22.10		23.56		0.64	8.79	6.62
C1	40.63		23.20		15.02		0.52	15.02	6.36
C1	40.26		23.22		14.29		0.50	15.26	6.42
C1	40.78		23.30		14.38		0.48	15.46	6.51
C1	40.81		23.31		14.35		0.40	15.44	6.70
C1	41.03		23.21		14.35		0.49	15.35	6.66
C1	39.38		21.89		22.25		0.88	9.02	6.24
C1	39.81		21.96		22.25		0.73	9.94	5.91
C1	38.22		22.51		20.89		0.66	10.30	6.72
C1	39.27	0.16	21.71	0.00	21.64	0.00	0.44	7.23	9.30
C1	38.74	0.00	20.90	0.00	24.48	0.00	0.60	7.06	6.35
C1	40.25	0.19	22.03	0.00	20.19	0.00	0.52	9.49	8.55
C1	40.33	0.00	22.22	0.00	21.94	0.00	0.59	10.22	6.24
C1	41.52	0.00	22.93	0.00	14.05	0.00	0.51	12.95	10.25
C1	41.24	0.00	22.80	0.00	14.45	0.00	0.51	13.24	9.08
C1	38.76	0.09	21.15	0.00	22.53	2.24	1.69	6.60	6.79
C1	39.04	0.14	21.36	0.00	22.76	1.83	0.94	7.37	6.69
C1	38.66	0.16	21.62	0.00	23.33	2.26	1.21	6.80	6.42
C1	37.48	0.10	21.62	0.00	26.19	2.12	1.30	4.03	7.37
C1	39.36	0.05	21.45	0.00	24.75	0.00	0.74	7.28	6.38
C1	39.97	0.03	21.97	0.00	21.05	0.00	0.52	10.82	6.09
C1	39.68	0.01	22.19	0.00	20.26	0.00	0.46	10.70	6.38
C1	40.20	0.02	21.78	0.00	20.65	0.00	0.47	10.81	6.19
C1	39.31	0.03	20.57	0.00	21.20	0.00	0.49	10.46	6.34
C1	40.52	0.05	22.27	0.00	21.90	0.00	0.53	10.02	6.18
C1	39.90	0.04	21.98	0.00	18.75	0.00	0.44	11.39	6.51
C1	39.91	0.04	21.35	0.00	20.77	0.00	0.65	9.85	6.31
C1	39.99	0.03	21.88	0.00	24.25	0.00	0.90	7.86	6.74
C1	37.36	0.00	21.07	0.00	27.66	0.00	2.06	3.11	6.95
C1	39.51	0.00	21.98	0.00	25.91	0.00	1.13	5.92	7.01
C1	38.69	0.00	21.24	0.00	29.91	0.00	0.99	6.29	2.06
C1	38.52	0.00	21.13	0.00	30.50	0.00	1.37	5.90	1.83
C1	38.37	0.00	21.08	0.00	29.67	0.00	1.24	5.19	2.94
C1	38.70	0.00	21.34	0.00	30.03	0.00	1.40	5.84	1.86
C1	38.69	0.00	21.34	0.00	30.78	0.00	1.69	5.10	2.27
C1	38.95	0.00	21.45	0.00	29.02	0.00	1.45	8.07	1.03
C1	38.28	0.00	20.06	0.00	29.36	0.00	3.91	4.58	2.53
C1	39.16	0.00	21.31	0.00	28.80	0.00	2.96	6.67	2.43
C1	38.86	0.00	21.19	0.00	28.98	0.00	2.46	6.77	1.57
C1	39.13	0.00	21.01	0.00	28.89	0.00	1.23	7.88	1.01
C1	36.34	0.00	20.98	0.00	34.00	0.00	2.27	4.47	2.65

C1	36.70	0.00	21.26	0.00	31.76	0.00	1.95	6.00	1.58
C1	38.17	0.00	21.23	0.00	29.70	0.00	3.17	4.22	3.21
C1	38.21	0.06	21.01	0.00	29.66	0.00	2.15	2.84	6.85
C1	38.85	0.07	21.45	0.00	26.73	0.00	0.95	6.31	6.55
C1	38.57	0.02	21.02	0.03	26.52	0.00	1.16	6.60	5.96
C1	38.57	0.06	20.76	0.04	26.67	0.00	2.20	6.30	6.14
C1	38.51	0.12	20.77	0.01	26.20	0.00	1.40	6.27	6.80
C1	38.55	0.05	21.83	0.03	26.51	0.00	1.10	5.81	6.92
C1	39.00	0.03	21.81	0.00	25.31	0.00	0.72	7.49	6.07
C1	38.45	0.08	20.89	0.00	29.37	0.00	1.17	4.57	6.85
C1	38.73	0.09	21.01	0.00	25.42	0.00	0.71	7.61	6.82
C1	38.53	0.09	20.89	0.03	27.96	0.00	0.89	5.59	6.84
C1	38.74	0.00	21.02	0.03	26.47	0.00	1.18	6.62	6.52
C1	38.16	0.07	20.64	0.00	25.57	0.00	1.42	6.65	6.76
C1	38.79	0.13	21.07	0.09	26.10	0.00	0.59	6.67	6.78
C1	38.71	0.01	21.94	0.02	29.43	0.00	0.64	8.47	1.13
C1	38.56	0.00	21.95	0.02	29.12	0.00	0.58	8.62	1.16
C1	39.32	0.00	22.13	0.01	29.54	0.00	0.69	8.15	1.10
C1	39.04	0.00	21.97	0.00	27.50	0.00	0.56	9.78	0.44
C1	38.77	0.00	22.11	0.00	28.15	0.00	0.60	9.53	0.39
C1	38.90	0.01	22.10	0.02	28.64	0.00	0.93	8.82	0.79
C1	39.30	0.00	22.20	0.02	25.55	0.00	0.60	10.46	2.25
C1	39.35	0.00	22.22	0.04	25.31	0.00	0.60	10.53	2.14
C1	39.33	0.01	22.30	0.01	25.45	0.00	0.57	10.34	2.45
C1	39.56	0.00	22.17	0.00	25.45	0.00	0.58	10.48	2.04
C1	39.07	0.02	21.23	0.04	21.80	0.85	0.56	6.28	9.35
C1	38.57	0.15	21.57	0.09	21.30	1.03	1.83	3.70	12.95
C1	38.30	0.23	21.89	0.55	23.66	0.11	1.26	4.04	11.21
C1	39.41	0.11	21.79	0.05	21.69	0.59	0.63	5.33	11.84
C1	38.82	0.03	22.44	0.07	23.56	0.19	0.58	5.68	9.89
C1	38.35	0.11	21.51	0.00	25.55	0.30	0.90	4.92	8.20
C1	39.99	0.08	23.51	0.00	17.30	0.01	0.58	11.57	7.85
C1	38.80	0.05	22.18	0.00	21.95	0.09	0.44	6.00	10.60
C1	38.59	0.09	21.24	0.00	24.14	0.77	0.78	5.07	9.33
C1	39.83	0.00	21.54	0.00	22.05	1.02	0.72	5.93	9.91
C1	39.38	0.12	21.38	0.15	23.81	0.00	1.02	8.16	6.74
C1	39.19	0.00	21.11	0.00	25.98	0.00	0.72	7.05	6.69
C1	38.71	0.00	21.10	0.00	27.10	0.00	0.62	5.90	6.80
C1	40.26	0.04	21.91	0.26	21.70	0.00	0.89	9.93	6.43
C1	39.61	0.00	21.51	0.00	23.76	0.00	1.21	8.28	6.63
C1	38.34	0.05	21.96	0.05	27.59	0.23	0.70	7.73	3.30
C1	38.68	0.03	22.01	0.06	27.03	0.71	0.74	7.79	4.06
C1	38.32	0.02	21.96	0.01	27.48	0.41	0.67	7.04	4.42
C1	39.47	0.04	22.00	0.11	26.19	0.09	0.62	9.20	2.82
C1	39.03	0.02	21.82	0.01	25.81	0.10	0.70	8.50	3.63
C1	39.04	0.03	21.80	0.07	26.80	0.00	0.81	7.65	3.89
C1	38.77	0.01	21.90	0.04	27.23	0.00	0.60	8.08	3.00
C1	38.47	0.01	21.50	0.03	26.55	0.06	0.58	7.45	4.05
C2	39.67	0.18	21.88	0.01	22.72		0.42	9.39	6.04
C2	39.10	0.22	21.87	0.08	21.79		0.58	8.30	7.75

C2	38.81	0.01	21.84	0.09	24.16		0.38	3.38	5.68
C2	39.28	0.17	22.47	0.08	17.61		0.39	7.22	13.68
C2	38.06	0.01	21.73	0.00	25.08		1.08	7.30	6.34
C2	39.16	0.17	21.82	0.02	21.38		0.35	5.68	11.90
C2	39.45	0.20	21.92	0.00	20.71		0.28	7.33	10.81
C2	38.39	0.06	21.90	0.05	25.88		0.87	6.60	6.31
C2	39.74	0.00	22.51	0.00	22.49		0.38	8.67	6.34
C2	39.57	0.00	22.50	0.00	20.26		0.55	7.39	9.99
C2	39.11	0.05	22.35	0.00	24.83		0.81	6.99	6.42
C2	39.54	0.00	22.61	0.00	21.08		0.42	9.20	7.10
C2	38.93	0.08	22.55	0.00	24.81		0.50	7.99	4.86
C2	38.39	0.00	21.54	0.19	26.54	0.21	0.76	6.28	5.87
C2	38.54	0.00	21.66	0.00	26.96	0.43	0.83	6.09	5.94
C2	38.06	0.00	21.16	0.00	28.04	0.91	1.41	4.71	6.18
C2	38.05	0.00	20.84	0.00	28.18	1.74	1.22	4.86	6.22
C2	38.43	0.00	21.33	0.00	25.90	1.13	1.45	5.83	6.71
C2	38.10	0.00	21.09	0.00	26.64	1.06	1.77	5.05	6.56
C2	38.24	0.00	21.06	0.00	27.44	1.11	0.65	5.19	6.68
C2	38.23	0.00	20.75	0.14	28.39	1.49	0.79	4.42	6.63
C2	37.91	0.00	20.72	0.00	26.96	1.60	0.92	5.04	6.90
C2	38.47	0.00	21.21	0.00	25.99	1.37	0.39	6.18	7.04
C2	38.34	0.18	21.24	0.00	26.98	0.93	0.40	5.43	7.06
C2	37.26		21.76		33.26		0.52	6.40	0.81
C2	37.03		21.49		33.76		1.74	5.31	0.67
C2	37.68		21.78		29.00		0.53	9.24	1.77
C2	37.81		21.61		27.99		0.42	8.06	4.19
C2	38.65		21.79		24.78		0.54	8.98	5.25
C2	36.31		20.48		39.46		1.15	1.31	1.30
C2	38.31		22.02		26.19		0.22	10.13	3.13
C2	39.21	0.01	21.66		24.46		0.95	6.86	7.92
C2	38.56	0.07	21.36	0.01	25.17		0.95	6.53	7.89
C2	38.00	0.01	21.67	0.01	22.68		0.52	5.65	10.58
C2	38.40	0.01	21.35	0.01	23.99		0.92	6.74	8.19
C2	38.89	0.07	21.68	0.01	25.17		0.87	6.25	7.94
C2	38.83	0.06	21.51	0.01	22.96		0.60	5.68	10.85
C2	38.47	0.05	21.38	0.01	25.83		0.96	6.50	7.04
C2	39.03	0.04	21.63	0.01	25.73		0.83	6.15	7.80
C2	39.44	0.05	21.72	0.01	22.61		0.53	5.25	11.66
C2	39.86	0.01	21.83	0.01	23.93		0.96	7.05	8.08
C2	39.56	0.04	21.73	0.01	25.34		0.91	6.81	7.32
C2	39.26	0.01	21.60	0.01	24.20		0.66	6.51	8.66
C2	39.55	0.04	21.90	0.01	25.67		0.91	6.82	7.29
C2	38.92	0.01	21.54	0.01	25.56		0.78	6.79	7.11
C2	39.26	0.01	21.93	0.01	24.74		0.65	6.74	7.91
C2	38.87	0.05	21.44	0.01	25.83		0.53	7.00	6.94
C2	39.10	0.07	21.63	0.01	24.69		0.54	6.66	8.17
C2	39.28	0.01	21.49	0.01	21.09		0.40	5.20	13.10
C2	38.28	0.06	21.31	0.01	24.86		0.90	6.22	7.90
C2	39.33	0.06	21.41	0.01	25.29		0.93	6.51	7.79
C2	39.06	0.09	21.59	0.01	24.36		0.98	7.12	7.94

C2	38.49	0.04	21.26	0.01	25.49
C2	38.86	0.01	21.49	0.01	25.56
C2	39.11	0.01	21.44	0.01	25.16
C2	39.19	0.01	21.79	0.01	23.87
C2	38.90	0.01	21.62	0.01	25.01
C2	38.99	0.01	21.45	0.01	25.31
C2	39.23	0.01	21.61	0.01	22.22
C2	38.99	0.05	21.32	0.01	25.51
C2	40.30	0.01	21.24	0.01	23.58
C2	39.50	0.01	21.96	0.01	23.68
C2	38.93	0.01	21.59	0.01	25.02
C2	38.85	0.01	21.31	0.01	25.41
C2	38.68	0.05	21.30	0.01	25.59
C2	39.04	0.05	21.67	0.01	23.29
C2	39.84	0.08	21.61	0.01	23.46
C2	38.99	0.06	21.46	0.01	25.33
C2	39.29	0.05	21.55	0.01	24.14
C2	39.23	0.08	21.74	0.01	25.17
C2	39.13	0.07	21.46	0.01	26.11
C2	39.24	0.04	21.47	0.01	25.27
C2	39.03	0.01	21.34	0.01	25.35
C2	39.35	0.01	21.64	0.01	24.22
C2	39.71	0.04	21.52	0.01	25.27
C2	39.33	0.01	21.84	0.01	21.10
C2	39.09	0.01	21.61	0.01	23.97
C2	39.50	0.05	21.55	0.01	24.46
C2	39.54	0.05	21.58	0.01	24.94
C2	39.76	0.08	21.76	0.01	23.79
C2	39.57	0.04	21.74	0.01	23.41
C2	39.37	0.08	21.65	0.01	24.45
C2	39.32	0.07	21.72	0.01	24.10
C2	39.22	0.06	21.69	0.01	25.38
C2	38.54	0.08	21.26	0.01	25.20
C2	38.65	0.01	21.85	0.01	23.62
C2	38.89	0.08	21.40	0.01	23.94
C2	38.72	0.01	21.19	0.01	24.23
C2	38.69	0.01	21.56	0.01	24.42
C2	38.80	0.05	21.32	0.01	24.82
C2	39.21	0.07	21.64	0.01	23.68
C2	38.77	0.08	21.67	0.01	23.99
C2	38.70	0.05	21.43	0.05	25.71
C2	39.37	0.05	21.62	0.01	24.82
C2	38.98	0.01	21.43	0.01	24.79
C2	39.30	0.01	21.60	0.01	25.16
C2	39.23	0.01	21.61	0.01	23.25
C2	39.05	0.01	21.48	0.01	24.59
C2	39.47	0.01	21.56	0.01	25.33
C2	39.32	0.01	21.76	0.01	24.35
C2	39.25	0.01	21.38	0.01	25.60
C2	39.54	0.01	21.85	0.01	23.80

0.96	6.44	7.60
0.72	6.80	7.31
0.93	6.71	7.53
0.58	6.32	9.42
0.97	6.83	7.63
0.93	6.31	7.63
0.53	5.29	12.42
0.91	6.77	7.36
0.75	6.48	8.27
0.61	6.48	9.10
0.91	6.93	7.47
0.64	6.67	7.60
0.57	6.84	7.35
0.86	7.35	8.32
0.91	7.41	8.43
1.10	6.04	8.10
0.93	7.07	8.06
0.77	6.50	8.11
0.53	6.78	7.29
0.92	6.95	7.54
0.74	6.80	7.61
0.82	5.41	9.89
0.93	6.89	7.17
0.44	3.64	14.96
0.96	7.11	8.25
0.97	6.74	8.60
0.95	7.00	7.71
0.85	7.19	8.37
0.89	6.94	8.85
0.66	7.06	8.04
0.87	6.84	8.47
0.92	6.72	7.46
0.93	6.31	8.08
0.58	5.95	10.15
0.91	6.98	8.77
0.76	6.28	8.95
0.88	6.72	8.37
0.95	6.14	8.68
0.88	7.43	8.57
0.91	7.09	8.29
1.10	6.06	7.93
0.93	7.17	7.63
0.94	6.91	7.86
0.56	6.66	8.07
0.82	5.47	10.79
0.77	6.67	8.35
0.96	6.75	7.49
0.55	6.52	9.02
0.83	6.09	8.12
0.89	7.12	8.37

C2	39.96	0.04	21.85	0.01	23.33
C2	39.90	0.01	21.72	0.01	24.92
C2	39.79	0.01	21.69	0.01	24.31
C2	39.31	0.04	21.60	0.01	26.63
C2	39.39	0.01	21.57	0.01	24.96
C2	39.19	0.05	21.65	0.01	25.05
C2	38.80	0.05	21.36	0.01	25.27
C2	39.25	0.06	21.67	0.01	22.91
C2	39.18	0.07	21.56	0.01	24.51
C2	39.27	0.05	21.68	0.01	22.46
C2	39.10	0.01	21.62	0.04	24.36
C2	39.05	0.05	21.61	0.01	25.87
C2	39.24	0.05	21.68	0.01	23.92
C2	38.65	0.01	21.68	0.01	23.93
C2	39.40	0.10	21.47	0.01	24.40
C2	38.96	0.06	21.66	0.01	23.96
C2	38.97	0.05	21.51	0.01	23.60
C2	39.50	0.05	21.64	0.01	24.00
C2	38.40	0.04	21.30	0.01	24.16
C2	38.23	0.04	21.56	0.01	24.69
C2	38.81	0.01	21.59	0.01	25.42
C2	39.14	0.05	21.45	0.01	25.58
C2	39.22	0.08	21.51	0.01	23.36
C2	39.37	0.08	21.71	0.01	23.70
C2	38.98	0.05	21.60	0.01	24.23
C2	39.57	0.07	21.59	0.01	22.77
C2	39.41	0.11	21.42	0.01	23.25
C2	38.94	0.06	21.35	0.01	24.69
C2	39.34	0.09	21.60	0.01	23.26
C2	39.34	0.04	21.70	0.01	24.11
C2	38.89	0.07	21.58	0.01	24.99
C2	38.76	0.06	21.49	0.01	24.93
C2	38.95	0.05	21.49	0.01	24.08
C2	39.37	0.05	21.36	0.01	25.71
C2	38.83	0.01	21.48	0.01	24.58
C2	38.89	0.06	21.30	0.01	25.52
C2	38.48	0.01	21.44	0.01	25.51
C2	38.56	0.01	21.20	0.01	25.44
C2	38.79	0.01	21.64	0.01	25.30
C2	39.11	0.08	21.61	0.01	24.24
C2	38.67	0.01	21.31	0.01	25.03
C2	38.79	0.05	21.30	0.01	25.05
C2	38.22	0.01	21.22	0.01	25.21
C2	38.99	0.12	21.44	0.01	23.18
C2	38.32	0.05	21.29	0.01	23.38
C2	38.21	0.05	21.22	0.01	25.03
C2	38.15	0.07	21.08	0.01	26.08
C2	38.14	0.01	21.26	0.01	26.32
C2	38.66	0.06	21.43	0.01	24.75
C2	38.60	0.05	21.28	0.01	25.04

0.88	7.34	8.48
0.80	6.92	7.74
0.88	7.04	7.88
0.86	6.06	7.16
0.65	5.24	9.91
0.81	6.81	7.72
0.56	7.11	7.36
0.85	7.26	8.68
0.88	6.72	8.05
0.65	4.93	12.58
0.89	6.85	8.35
0.69	6.39	7.50
0.88	7.36	8.21
0.94	6.93	8.57
0.95	6.58	8.44
0.93	7.18	8.25
0.91	7.18	8.60
0.92	7.19	8.14
0.95	5.32	10.37
0.91	6.79	8.01
0.83	6.26	8.21
0.82	6.70	7.68
0.88	7.53	8.40
0.86	7.28	8.58
0.89	6.91	8.21
0.83	7.54	8.80
0.87	7.43	8.67
0.95	6.86	7.91
0.90	7.22	8.84
0.92	6.90	8.64
0.81	6.39	8.42
0.86	6.70	8.29
0.91	6.94	8.72
0.83	6.80	7.34
0.91	7.03	7.89
0.87	6.25	8.04
0.86	6.63	7.66
0.85	7.11	6.92
0.78	6.19	8.45
0.88	7.15	8.15
0.83	6.97	7.49
0.76	6.73	7.91
0.78	6.76	7.85
0.85	7.33	8.61
0.88	7.46	8.45
0.81	6.57	7.91
0.89	6.43	7.37
0.69	6.34	7.26
0.99	6.93	7.80
0.98	6.61	8.05

C2	37.93	0.01	21.16	0.01	25.67		1.02	6.04	7.73
C2	38.33	0.05	21.37	0.01	23.18		0.91	7.50	8.51
C2	38.65	0.06	21.60	0.01	23.69		0.93	7.23	8.36
C2	38.62	0.06	21.40	0.01	24.29		0.91	6.84	8.17
C2	38.43	0.06	21.07	0.01	24.05		0.93	7.27	8.01
C2	38.02	0.05	21.29	0.01	23.77		0.90	7.33	8.03
C2	38.09	0.05	21.36	0.01	25.18		1.01	6.64	7.53
C2	38.56	0.08	22.06	0.00	25.88	0.00	0.77	6.95	4.57
C2	38.71	0.01	22.20	0.00	28.38	0.00	1.03	5.72	4.21
C2	38.32	0.01	21.85	0.00	28.86	0.00	1.11	5.52	3.71
C2	38.75	0.12	21.94	0.00	25.59	0.00	0.82	7.18	4.82
C2	38.22	0.04	21.97	0.00	29.04	0.00	1.07	5.59	3.46
C2	38.25	0.05	21.59	0.00	27.79	0.00	0.95	5.59	4.94
C2	38.38	0.08	21.80	0.00	27.49	0.00	0.99	5.31	5.15
C5	38.98	0.00	22.38	0.16	28.78		1.15	7.72	2.41
C5	38.72		22.01		27.76		0.57	8.87	1.70
C5	38.73		21.93		27.48		0.56	8.91	1.53
C5	38.74		22.00		28.33		0.51	8.68	1.62
C5	38.89		22.10		27.33		0.53	9.13	1.83
C5	37.58		21.54		28.74		0.67	8.24	1.64
C5	38.58		22.22		30.21		0.30	8.84	0.78
C5	38.84		22.03		29.94		0.30	8.95	0.75
C5	38.43		22.03		30.55		0.33	8.25	0.87
C5	38.10		22.01		30.47		0.29	8.81	0.73
C5	39.08		22.31		30.08		0.31	8.75	0.83
C5	37.74		21.05		33.72		1.55	2.50	3.48
C5	37.62		21.29		33.19		1.66	2.82	3.51
C5	38.52		21.53		30.89		1.22	5.96	1.90
C5	39.58		21.92		28.16		1.13	8.34	1.97
C5	37.38		21.14		35.14		1.15	2.05	3.30
C5	37.54		21.24		34.33		0.98	2.96	3.13
C5	40.07	0.00	22.72	0.00	24.46	0.00	0.32	12.29	0.87
C5	40.12	0.00	22.71	0.00	24.95	0.00	0.32	11.22	0.87
C5	39.60	0.05	23.88	0.00	25.17	0.00	0.37	12.90	0.78
C5	39.82	0.00	22.42	0.00	24.47	0.00	0.45	12.70	0.83
C5	40.15	0.00	22.92	0.00	21.55	0.00	0.58	13.63	1.37
C5	39.42	0.00	22.78	0.00	22.83	0.00	0.53	12.88	1.47
C5	39.45	0.00	22.98	0.00	24.28	0.00	0.55	11.66	1.39
C5	39.58	0.00	22.56	0.00	22.31	0.00	0.52	14.48	0.29
C5	39.54	0.00	22.19	0.00	24.73	0.00	0.33	12.62	0.43
C5	39.48	0.00	22.55	0.00	22.32	0.00	0.33	14.57	0.28
C5	41.26	0.00	23.34	0.00	17.27	0.00	0.00	17.35	0.39
C5	40.86	0.00	22.07	0.00	18.59	0.00	0.19	17.17	0.37
C5	40.42	0.00	22.94	0.00	20.32	0.00	0.00	14.94	0.46
C5	40.34	0.00	22.94	0.00	20.33	0.00	0.00	15.81	0.27
C5	39.57	0.01	22.38	0.00	30.19	0.00	0.22	6.76	0.78
C5	40.61	0.00	22.84	0.00	18.66	0.00	0.35	16.82	0.88
C5	40.99	0.00	23.25	0.00	19.15	0.00	0.65	15.80	0.89
C5	41.09	0.00	22.78	0.00	21.77	0.00	0.46	12.63	0.91
C5	40.62	0.00	22.98	0.00	22.83	0.00	0.96	12.08	0.63

C5	40.33	0.09	22.85	0.00	20.13	0.00	0.48	14.54	0.88
C5	40.32	0.00	22.74	0.00	21.87	0.00	0.79	13.44	0.88
C5	40.55	0.00	22.41	0.00	20.62	0.00	0.32	14.91	0.10
C5	40.49	0.00	22.77	0.00	20.95	0.00	0.32	14.74	1.26
C5	40.37	0.00	22.86	0.00	20.46	0.00	0.80	13.65	1.26
C5	40.99	0.00	23.12	0.00	20.56	0.00	0.48	14.92	0.76
C5	40.58	0.00	22.27	0.00	23.38	0.00	0.32	12.76	1.38
C5	38.98	0.12	21.23	0.00	26.74	0.00	0.23	6.16	6.73
C5	38.54	0.00	21.03	0.00	29.96	0.00	0.38	5.87	4.10
C5	38.88	0.01	21.74	0.21	29.32	0.00	1.10	7.75	1.23
C5	38.96	0.00	21.79	0.00	29.89	0.00	0.30	9.13	0.84
C5	39.27	0.01	21.80	0.00	29.53	0.00	0.29	9.07	0.58
C5	38.92	0.00	21.78	0.00	29.67	0.00	0.28	9.02	0.59
C5	38.84	0.00	21.51	0.00	29.53	0.00	0.35	8.94	0.65
C5	37.59	0.07	21.57	0.03	28.08	0.00	2.30	3.66	7.15
C5	37.13	0.00	21.35	0.03	35.07	0.00	0.52	2.69	3.88
C5	40.85	0.05	23.17	0.00	17.71	0.00	0.00	16.34	1.52
C5	40.74	0.10	23.12	0.00	17.55	0.00	0.00	16.18	1.61
C5	40.68	0.00	23.08	0.00	18.25	0.00	0.00	16.08	1.41
C5	39.69	0.17	22.49	0.00	22.80	0.00	0.00	11.70	2.70
C5	39.97	0.00	22.65	0.10	22.17	0.00	0.56	12.66	1.93
C5	39.95	0.30	22.63	0.00	21.86	0.00	0.70	12.56	1.70
C5	39.48	0.11	21.46	0.00	23.97	0.00	0.75	9.80	5.37
C5	39.27	0.10	21.46	0.00	24.76	0.00	0.80	9.53	5.79
C5	41.52	0.25	21.33	0.00	15.02	0.00	0.24	13.71	7.74
C5	39.40	0.01	18.99	0.00	33.25	0.00	2.25	4.26	0.76
C5	38.95	0.01	19.95	0.00	32.97	0.00	2.35	4.32	0.86
C5	38.96	0.23	20.27	0.00	33.05	0.00	2.47	4.57	0.81
C5	39.27	0.00	19.67	0.00	36.61	0.00	1.74	3.52	0.95
C5	39.29	0.00	19.95	0.00	36.17	0.00	1.79	3.43	0.99
C5	38.86	0.00	19.92	0.00	35.16	0.00	1.74	3.95	0.98
C5	38.75	0.03	19.78	0.00	34.81	0.00	0.52	4.51	0.97
C5	38.74	0.02	21.65	0.06	30.05	0.00	0.05	7.62	1.91
C5	38.26	0.05	21.65	0.04	33.15	0.00	0.91	5.78	1.04
C5	37.74	0.05	21.27	0.00	0.04	0.00	0.57	5.16	1.64
C5	37.67	0.04	21.25	0.00	20.37	0.00	0.69	5.15	1.04
C5	38.17	0.09	21.15	0.05	31.40	0.00	1.29	6.25	2.14
C5	37.32	0.06	20.74	0.00	33.86	0.00	1.68	5.86	0.53
C5	37.27	0.05	20.71	0.04	32.14	0.00	1.52	2.78	6.18
C5	36.73	0.01	20.69	0.00	32.32	0.00	1.38	2.51	6.25
C5	37.28	0.06	21.07	0.02	30.47	0.00	1.07	3.54	7.01
C5	37.37	0.10	20.96	0.02	30.51	0.00	1.24	2.90	7.28
C5	37.12	0.07	20.82	0.01	30.59	0.00	1.13	3.50	6.84
C5	36.69	0.04	20.88	0.00	30.01	0.00	1.08	3.99	7.15
C5	37.05	0.03	20.78	0.00	33.12	0.00	1.03	4.70	2.76
C5	37.40	0.10	20.92	0.08	31.78	0.00	1.16	3.17	5.75
C5	37.48	0.02	21.29	0.05	28.53	0.00	0.81	5.59	6.33
C5	37.44	0.11	21.16	0.03	29.04	0.00	1.02	4.87	6.97
C5	38.48	0.03	21.98	0.01	27.93	0.00	0.57	10.85	1.11
C5	38.59	0.03	21.84	0.00	29.09	0.00	0.52	9.67	1.19

C5	40.18	0.01	22.56	0.00	24.02	0.00	0.24	12.32	1.73
C5	40.32	0.01	22.25	0.01	22.82	0.00	0.25	13.49	1.76
C5	38.45	0.02	21.60	0.00	29.73	0.00	0.26	7.19	2.25
C5	38.51	0.00	21.65	0.03	27.04	0.00	0.44	7.68	4.32
C5	38.95	0.01	21.27	0.00	25.47	0.00	0.49	9.28	4.32
C5	38.82	0.01	21.80	0.00	26.39	0.00	0.56	10.03	1.44
C5	39.34	0.01	21.94	0.00	28.27	0.00	0.36	9.58	1.48
C5	41.63	0.03	22.92	0.04	13.32	1.07	0.19	19.71	1.15
C5	41.55	0.03	23.54	0.01	13.91	0.27	0.19	19.63	1.19
C5	40.85	0.00	24.04	0.00	14.51	0.00	0.19	18.66	1.22
C5	40.64	0.00	23.19	0.00	16.73	0.00	0.22	17.85	1.29
C5	40.59	0.00	23.43	0.00	18.47	0.00	0.42	14.86	2.20
C5	40.10	0.00	22.57	0.00	22.47	0.00	0.77	13.29	1.05
C5	40.68	0.00	22.93	0.00	17.08	0.00	0.27	17.26	1.39
C5	39.71	0.03	22.28	0.04	19.73	1.77	0.31	14.06	1.63
C5	40.07	0.01	22.70	0.00	20.08	0.00	0.21	15.77	1.14
C5	39.80	0.05	23.14	0.06	22.96	0.00	0.48	12.14	1.61
C5	39.93	0.06	23.45	0.07	21.95	0.00	0.24	13.14	1.45
C5	39.20	0.04	22.66	0.10	27.88	0.00	0.36	8.91	1.36
C5	37.98	0.03	21.63	0.06	27.67	0.00	0.74	10.51	1.28
C5	39.11	0.03	22.13	0.10	26.62	0.00	0.74	10.45	1.21
C5	38.85	0.14	20.79	0.00	25.99	0.00	2.53	3.54	9.11
C5	39.08	0.00	21.28	0.00	26.01	0.00	0.94	5.05	7.88
C5	38.80	0.03	20.91	0.00	26.46	0.00	0.79	5.11	8.06
C5	38.97	0.04	20.88	0.00	26.39	0.00	0.66	5.21	7.89
C5	38.79	0.05	20.88	0.00	28.18	0.00	0.54	4.76	7.19
C5	39.07	0.16	20.82	0.00	28.11	0.00	0.43	4.63	7.38
C5	39.33	0.07	20.85	0.00	26.02	0.00	0.46	5.71	8.20
C5	38.86	0.05	21.03	0.00	25.05	0.00	2.60	3.71	8.76
C5	38.70	0.08	21.18	0.00	26.61	0.00	1.14	4.74	8.08
C5	37.75	0.02	20.59	0.04	32.85	0.00	1.29	3.09	3.67
C5	37.48	0.00	20.59	0.05	33.53	0.00	1.40	2.84	3.28
C5	37.80	0.04	20.98	0.00	36.05	0.00	1.42	4.47	1.26
C5	37.81	0.02	21.04	0.00	34.78	0.00	1.40	4.44	1.02
C5	39.04	0.00	22.16	0.00	28.23	0.00	0.36	9.05	1.93
C5	38.72	0.00	22.40	0.00	27.90	0.00	0.40	10.11	0.95
C5	38.94	0.00	22.41	0.00	28.67	0.00	0.46	9.54	1.30
C5	38.93	0.00	21.17	0.00	28.08	0.00	0.21	7.21	4.31
C5	38.48	0.12	21.85	0.00	28.67	0.00	0.47	9.60	0.98
C5	38.47	0.07	21.80	0.00	28.13	0.00	0.40	8.71	2.24
C5	39.09	0.27	22.70	0.00	28.78	0.00	0.35	7.42	2.53
C5	39.67	0.38	21.46	0.09	23.56	0.00	0.04	11.81	2.51
C5	39.55	0.06	22.20	0.00	24.99	0.00	0.09	10.66	2.81
C5	38.95	0.01	21.61	0.00	26.27	0.00	2.25	9.31	1.26
C5	39.64	0.00	22.19	0.00	25.92	0.00	0.10	11.10	0.70
C5	39.26	0.07	22.23	0.00	26.84	0.00	0.53	9.46	2.07
C5	39.54	0.00	21.89	0.00	27.57	0.00	0.34	9.24	2.24
C5	39.31	0.03	21.98	0.00	25.13	0.00	0.40	10.49	2.72
C5	39.48	0.00	21.49	0.00	26.38	0.00	1.01	10.75	0.80
C5	41.38	0.05	23.09	0.00	18.89	0.00	0.15	16.01	1.14

C5	39.35	0.07	22.12	0.00	23.30	0.00	3.16	10.21	2.71
C5	41.10	0.02	23.35	0.00	20.20	0.00	0.20	14.51	2.16
C5	40.51	0.00	22.30	0.00	21.66	0.00	0.30	12.61	2.82
C5	41.26	0.00	23.64	0.04	18.12	0.00	0.44	16.21	1.30
C5	41.18	0.03	22.77	0.00	22.02	0.00	0.42	13.82	1.67
C5	40.47	0.03	22.96	0.00	23.13	0.00	0.37	12.56	1.73
C5	40.47	0.00	22.61	0.08	20.66	0.00	0.13	14.30	2.21
C5	40.35	0.02	22.47	0.00	23.08	0.00	0.38	12.64	1.93
C5	42.43	0.05	23.77	0.03	14.74	0.00	0.46	18.78	0.69
C5	41.55	0.05	23.29	0.00	18.50	0.00	1.26	15.68	1.06
C5	40.41	0.03	22.69	0.06	21.09	0.15	0.20	13.58	2.18
C5	38.87	0.02	22.03	0.03	24.46	0.74	0.26	10.87	2.26
C5	38.95	0.00	22.13	0.06	27.97	0.00	0.51	9.85	1.38
C5	38.64	0.00	21.57	0.04	31.62	0.00	4.57	4.60	1.11
C5	38.23	0.05	21.59	0.07	32.29	0.00	0.83	6.58	1.27
C5	38.01	0.03	21.86	0.08	30.55	0.00	0.31	7.88	1.16
C5	39.06	0.00	22.04	0.06	25.21	0.00	0.95	9.65	3.45
C5	38.89	0.14	21.78	0.01	26.83	0.00	0.81	8.97	2.84
C5	38.13	0.00	21.53	0.00	30.26	0.00	0.49	7.66	1.12
C5	38.44	0.02	21.66	0.00	29.68	0.00	0.72	7.50	1.52
C5	38.46	0.04	21.26	0.00	31.22	0.00	0.62	7.05	1.22
C5	38.72	0.00	20.43	0.00	30.26	0.00	0.65	7.48	1.67
C5	38.16	0.02	21.72	0.00	31.75	0.00	0.55	6.89	1.29
C5	38.78	0.02	20.23	0.00	33.37	0.00	0.46	5.31	1.26
C5	37.84	0.00	21.42	0.00	34.83	0.00	0.87	4.29	1.15
C5	37.96	0.00	21.89	0.00	32.34	0.00	0.44	6.37	1.12
C5	38.19	0.00	21.71	0.00	31.53	0.00	0.74	6.64	1.33
C5	38.78	0.02	20.42	0.00	32.58	0.00	0.57	6.69	1.32
C5	38.94	0.02	22.09	0.00	27.35	0.00	0.93	8.54	2.78
C5	39.06	0.05	21.85	0.00	27.85	0.00	0.92	8.70	2.34
C5	38.89	0.02	21.92	0.00	29.16	0.00	0.94	8.23	1.63
C5	39.23	0.05	22.12	0.00	25.63	0.00	0.33	9.28	4.12
C5	38.85	0.02	21.79	0.02	27.24	0.00	0.37	8.83	3.02
C5	38.80	0.06	21.82	0.00	26.42	0.00	0.39	7.17	6.00
C5	38.80	0.05	21.77	0.00	26.36	0.00	0.39	7.15	6.06
C5	38.30	0.00	21.61	0.02	32.62	0.00	0.69	6.38	1.46
C5	38.04	0.05	21.33	0.00	28.45	0.00	1.18	2.44	9.23
C5	37.87	0.03	21.12	0.00	30.23	0.00	1.30	2.69	7.26
C5	37.47	0.00	21.01	0.02	35.21	0.00	1.74	3.76	1.37
C5	38.42	0.01	21.68	0.03	31.11	0.00	0.69	6.07	2.81
C5	38.97	0.04	21.76	0.00	26.89	0.00	0.57	6.79	5.86
C5	38.47	0.04	21.75	0.01	26.61	0.00	0.56	6.78	5.92
D	42.66	0.66	21.55	1.60	9.09		0.32	20.65	4.31
D	43.10	0.49	21.81	1.86	8.48		0.35	20.88	4.42
D	42.57	0.48	21.15	2.52	8.87		0.37	20.82	4.52
D	42.88	0.53	21.94	1.75	8.53		0.33	21.13	4.46
D	42.78	0.45	20.08	4.07	8.00		0.33	20.65	4.99
D	42.86	0.39	20.21	4.08	8.10		0.33	20.61	4.89
D	42.93	0.32	20.70	3.30	8.04		0.31	20.84	4.94
D	41.90	0.17	20.70	3.98	7.23		0.37	20.80	4.87

D	42.00	0.28	21.70	2.54	7.52		0.29	20.50	5.27
D	42.00	0.22	21.10	3.37	7.35		0.34	20.70	5.04
D	41.70	0.10	22.30	1.54	9.97		0.45	19.20	4.88
D	39.61	0.05	20.21	5.01	8.74		0.48	18.35	6.38
D	40.17	0.00	17.68	7.55	8.25		0.53	17.16	7.44
D	40.83	0.00	17.01	8.62	7.74		0.56	17.60	7.67
D	40.16	0.01	17.90	7.55	8.20		0.51	17.60	7.43
D	40.18	0.04	17.83	7.39	7.85		0.55	19.07	5.54
D	40.94	0.02	18.60	6.58	8.34		0.61	19.65	4.72
D	40.65	0.24	14.50	10.87	6.62		0.39	19.34	6.70
D	40.62	0.27	14.41	10.94	6.58		0.41	19.24	6.74
D	42.19	0.03	19.35	6.05	6.44		0.36	23.19	3.06
D	41.00	0.28	17.24	8.08	6.22		0.32	20.81	5.18
D	41.05	0.11	16.81	8.49	6.31		0.32	21.26	4.24
D	41.34	0.31	18.08	6.59	6.49		0.29	21.04	4.83
D	40.89	0.07	15.90	10.21	6.31		0.36	22.35	2.82
D	41.16	0.34	17.46	7.57	7.03		0.41	20.26	5.56
D	40.87	0.25	16.93	8.39	6.90		0.38	19.81	6.05
D	41.05	0.36	16.64	8.56	6.65		0.40	20.04	6.05
D	40.18	0.03	18.57	5.90	6.80		0.26	20.95	5.78
D	41.03	0.58	19.20	4.49	9.93		0.51	17.29	7.28
D	40.04	0.53	17.31	6.89	8.98		0.53	17.58	6.85
D	39.99	0.91	15.99	7.71	9.27		0.42	17.64	6.87
D	40.14	0.88	17.62	5.70	9.35		0.42	17.84	6.37
D	40.21	0.90	16.82	6.24	9.75		0.42	18.04	6.12
D	39.58	0.15	20.11	4.55	8.56		0.42	19.91	5.20
D	40.69	0.54	19.37	4.08	8.52		0.40	19.39	5.55
D	41.13	0.55	19.75	4.35	7.05		0.41	20.80	4.83
D	39.72	0.63	19.71	4.18	8.48		0.41	19.63	5.40
D	40.37	0.86	18.67	5.49	7.29		0.38	20.46	5.32
D	40.36	0.61	16.74	7.86	8.20		0.48	19.04	5.97
D	42.41	0.47	19.92	3.73	6.71		0.31	22.14	4.72
D	41.44	0.54	19.45	4.01	7.58		0.28	21.20	4.80
D	41.55	0.56	18.95	5.05	7.06		0.30	21.00	5.25
D	41.43	0.56	17.25	6.96	6.73		0.28	20.91	5.57
D	41.27	0.60	19.25	4.07	7.73		0.37	20.89	4.94
D	40.33	0.89	17.28	6.28	8.45		0.44	19.02	6.04
D	41.68	0.41	20.88	2.39	7.14		0.30	21.69	4.63
D	40.93	0.49	21.04	2.40	8.23		0.33	21.58	4.40
D	41.06	0.49	21.11	2.01	8.18		0.29	21.19	4.70
D	40.89	0.03	19.54	5.09	8.49		0.55	19.11	5.72
D	41.46	0.52	21.11	2.08	7.71		0.32	21.13	4.41
D	40.50	0.64	21.05	2.16	8.03		0.28	21.31	4.76
D	41.28	0.65	20.57	2.51	8.33		0.29	20.90	4.85
D	40.23	0.77	20.23	2.91	8.50		0.34	20.67	5.00
D	41.30	0.64	20.74	1.48	9.07		0.37	20.76	4.23
D	41.69	1.00	21.23	1.97	7.99		0.30	20.74	4.74
D	41.14	1.35	20.71	1.27	11.33		0.35	18.79	4.70
D	41.10	0.92	21.37	1.62	10.58		0.44	18.42	5.26
D	41.47	1.15	20.94	2.31	8.62		0.33	19.87	5.06

D	41.83	1.07	21.35	0.75	10.11		0.27	20.11	4.35
D	41.47	1.01	21.37	0.52	12.18		0.34	18.65	4.55
D	41.37	1.16	21.14	0.51	12.23		0.36	18.72	4.64
D	41.87	0.75	20.94	2.65	7.75		0.28	20.77	4.85
D	41.00	0.92	21.16	1.63	10.77		0.40	18.56	5.00
D	41.03	1.14	20.84	0.45	12.85		0.33	18.26	4.56
D	40.86	1.27	19.74	3.01	9.96		0.34	19.00	5.06
D	41.05	1.25	20.81	1.12	11.38		0.30	19.05	4.46
D	41.22	1.19	20.87	0.48	12.47		0.33	18.53	4.61
D	41.01	1.00	19.88	3.72	8.48		0.33	19.68	5.26
D	41.08	1.23	21.40	0.35	11.94		0.29	18.24	4.60
D	40.72	0.80	21.86	0.01	13.97		0.42	17.21	4.58
D	41.00	1.26	21.23	0.53	11.69		0.31	18.77	4.69
D	41.19	1.20	21.29	0.65	10.85		0.27	19.33	4.66
D	41.03	1.12	21.53	0.30	11.99		0.32	18.56	4.55
D	41.01	1.16	21.13	0.35	11.83		0.37	18.50	5.20
D	41.21	1.17	21.38	0.66	10.73		0.28	19.45	4.57
D	41.35	1.21	21.40	0.63	10.94		0.35	19.10	4.66
D	41.48	1.15	21.66	0.53	11.18		0.35	19.10	4.61
D	41.73	1.20	21.32	0.98	9.72		0.32	19.91	4.78
D	40.97	1.19	21.58	0.57	11.48		0.28	19.01	4.53
D	40.93	1.20	21.57	0.57	11.44		0.32	19.04	4.69
D	40.69	0.72	22.21	0.01	14.05		0.38	17.28	4.42
D	41.06	1.20	21.50	0.55	11.69		0.29	18.92	4.61
D	41.52	1.10	21.82	0.74	10.41		0.29	19.85	4.44
D	41.14	1.23	21.38	0.68	10.92		0.28	19.39	4.64
D	41.67	0.70	21.85	0.68	10.23		0.32	19.79	4.77
D	42.05	0.61	22.23	0.75	10.10		0.33	20.03	4.57
D	42.79	0.55	21.16	2.41	7.45		0.28	21.44	4.79
D	41.29	0.74	21.79	0.44	11.04		0.34	18.96	4.46
D	41.60	0.87	21.31	0.86	9.67		0.29	19.98	4.93
D	42.09	0.52	21.51	1.40	8.31		0.23	20.67	4.57
D	41.81	0.76	21.37	0.91	9.24		0.28	20.08	4.77
D	41.67	0.75	21.55	0.87	9.66		0.30	19.68	4.83
D	41.69	0.78	21.50	0.70	10.00		0.33	19.68	4.71
D	41.68	0.75	21.44	0.74	10.09		0.30	19.47	4.90
D	41.86	0.62	21.72	0.83	9.41		0.31	19.90	4.58
D	41.85	0.78	21.45	0.86	9.57		0.30	19.86	4.94
D	41.75	0.76	21.52	0.88	9.64		0.28	19.72	4.90
D	41.92	0.64	21.47	1.38	8.72		0.29	20.26	4.80
D	41.61	0.81	21.46	0.66	10.29		0.34	19.48	4.78
D	41.80	0.58	21.85	0.75	9.93		0.31	19.65	4.60
D	41.79	0.70	21.66	0.83	9.75		0.35	19.68	4.86
D	41.73	0.72	21.80	0.66	10.14		0.33	19.71	4.65
D	41.92	0.65	21.71	1.12	8.88		0.27	20.43	4.69
D	41.71	0.72	21.62	0.83	9.63		0.32	19.84	4.92
D	41.92	0.68	21.68	1.09	9.09		0.27	20.35	4.64
D	41.57	0.50	20.03	3.54	7.16		0.26	20.87	4.82
D	41.83	0.56	21.46	1.46	8.63		0.27	20.56	4.53
D	41.28	0.87	21.65	0.42	11.20		0.36	18.77	4.84

D	41.25	0.85	21.45	0.47	11.53		0.36	18.54	4.79
D	42.00	0.54	21.49	1.37	7.72		0.25	21.19	4.59
D	41.13	0.92	21.47	0.33	11.97		0.36	18.20	5.19
D	41.53	0.57	21.06	1.94	8.21		0.26	20.61	4.75
D	41.40	0.66	21.45	1.07	9.08		0.26	20.18	4.71
D	41.18	0.78	21.67	0.35	11.74		0.37	18.52	4.61
D	41.78	0.62	21.69	1.06	9.31		0.30	20.09	4.58
D	41.57	0.64	21.64	0.98	9.39		0.30	20.12	4.56
D	41.44	0.62	21.95	0.61	10.21		0.33	19.65	4.48
D	41.02	0.88	21.51	0.37	11.93		0.38	18.23	5.05
D	41.48	0.70	21.94	0.45	11.12		0.35	19.10	4.50
D	41.53	0.55	21.10	1.50	8.55		0.29	20.43	4.67
D	41.28	0.71	21.50	0.72	10.13		0.32	19.65	4.68
D	41.57	0.59	21.38	1.16	9.05		0.28	20.31	4.57
D	41.84	0.48	21.06	2.02	7.23		0.24	21.20	4.61
D	41.50	0.55	21.53	1.09	8.75		0.29	20.39	4.53
D	41.96	0.50	21.14	1.87	7.67		0.22	21.02	4.58
D	41.47	0.67	21.27	1.12	9.26		0.28	20.04	4.68
D	41.62	0.60	21.00	1.76	8.26		0.28	20.64	4.83
D	41.33	0.72	21.41	0.89	9.76		0.32	19.67	4.80
D	41.71	0.55	21.12	1.60	8.36		0.26	20.45	4.70
D	41.65	0.59	21.06	1.60	8.43		0.28	20.58	4.68
D	41.42	0.63	21.28	1.32	8.78		0.28	20.33	4.73
D	41.39	0.80	21.43	0.68	10.27		0.33	19.48	4.78
D	41.82	0.58	21.19	1.44	8.63		0.26	20.47	4.66
D	41.76	0.60	21.26	1.52	8.05		0.23	20.68	4.65
D	41.63	0.61	21.52	1.10	9.15		0.29	20.12	4.62
D	41.63	0.57	21.65	1.05	9.29		0.29	20.11	4.58
D	41.70	0.67	21.44	1.08	9.18		0.28	20.76	4.67
D	41.93	0.53	20.94	2.08	7.49		0.23	21.01	4.64
D	41.51	0.81	21.13	0.87	9.97		0.32	19.68	4.83
D	41.85	0.56	21.32	1.53	8.31		0.26	20.71	4.66
D	41.73	0.70	21.07	1.41	8.81		0.26	20.37	4.70
D	41.73	0.58	21.51	1.25	8.89		0.28	20.51	4.63
D	41.80	0.54	21.20	1.71	7.96		0.24	20.82	4.77
D	41.53	0.65	21.78	0.59	10.43		0.35	19.51	4.51
D	41.56	0.67	20.78	1.90	8.41		0.27	20.29	4.98
D	41.39	0.68	21.70	0.74	10.02		0.31	19.67	4.55
D	41.66	0.67	21.52	0.95	9.53		0.26	20.04	4.63
D	41.99	0.55	21.26	1.72	7.86		0.24	20.98	4.65
D	42.05	0.51	21.08	2.03	7.25		0.25	21.31	4.66
D	41.84	0.52	21.07	1.99	7.59		0.22	21.20	4.69
D	41.74	0.59	20.96	1.88	8.15		0.27	20.60	4.84
D	41.39	0.80	21.26	0.95	9.85		0.29	19.79	4.96
D	41.69	0.67	20.98	1.57	8.40		0.27	20.38	4.87
D	41.80	0.54	20.71	2.43	7.60		0.26	20.88	4.74
D	41.47	0.67	21.67	0.61	10.48		0.31	19.41	4.60
D	41.75	0.54	21.15	1.76	7.87		0.25	21.83	4.55
D	41.76	0.64	21.26	1.48	8.65		0.24	20.31	4.78
D	41.75	0.60	21.06	1.81	8.07		0.25	20.68	4.72

D	41.66	0.52	21.40	1.50	8.35		0.26	20.62	4.69
D	41.96	0.59	21.36	1.41	8.03		0.25	20.90	4.58
D	41.71	0.55	19.51	4.06	6.99		0.25	20.81	5.21
D	41.68	0.55	21.59	1.21	8.77		0.28	20.39	4.57
D	41.68	0.54	21.01	2.01	7.68		0.23	21.00	4.73
D	41.52	0.63	20.85	1.70	8.69		0.28	20.22	4.97
D	41.74	0.62	21.15	1.44	8.40		0.24	20.57	4.75
D	41.62	0.60	21.69	0.93	9.44		0.32	20.08	4.56
D	41.77	0.61	21.37	1.39	8.66		0.25	20.45	4.63
D	41.68	0.60	20.95	1.88	8.45		0.28	20.35	4.95
D	41.75	0.51	21.16	1.76	8.27		0.28	20.77	4.61
D	41.72	0.55	21.42	1.50	8.93		0.30	20.32	4.76
D	41.76	0.65	21.50	1.05	9.18		0.30	20.30	4.61
D	41.95	0.55	21.09	1.90	7.99		0.23	20.88	4.66
D	41.46	0.67	21.35	1.02	9.48		0.28	19.94	4.72
D	41.36	0.70	21.70	0.53	10.82		0.33	19.37	4.57
D	41.72	0.57	21.42	1.31	8.56		0.27	20.39	4.61
D	41.88	0.53	20.99	2.11	7.55		0.24	21.16	4.69
D	41.78	0.56	21.44	1.44	8.53		0.27	20.69	4.58
D	41.98	0.58	21.79	1.09	8.64		0.26	20.67	4.37
D	41.52	0.74	21.01	1.70	8.47		0.26	20.61	4.82
D	41.79	0.50	21.02	2.38	7.18		0.28	21.17	4.55
D	41.90	0.64	21.26	1.65	8.26		0.24	20.79	4.68
D	39.39	0.58	21.98	0.16	14.32		0.57	16.60	4.70
D	39.20	0.45	22.17	0.16	14.12		0.62	16.21	5.41
D	40.78	0.71	21.93	1.04	8.87		0.31	20.28	4.96
D	39.59	0.56	22.43	0.04	14.39		0.55	16.93	4.37
D	39.27	0.45	22.20	0.13	14.27		0.59	16.23	5.47
D	40.39	0.78	21.97	0.75	9.39		0.35	19.77	5.01
D	40.45	0.86	22.01	0.69	9.49		0.34	19.86	5.08
D	41.22	0.70	22.46	0.07	13.26		0.47	17.95	4.30
D	41.18	0.55	22.38	0.15	14.38		0.54	17.21	4.44
D	41.35	0.63	22.57	0.02	13.80		0.50	17.50	4.18
D	41.94	0.91	21.61	1.11	8.93		0.21	20.67	4.44
D	41.00	0.68	22.17	0.33	12.88		0.48	17.69	4.87
D	40.94	0.99	21.74	0.10	12.94		0.42	18.06	4.67
D	41.07	0.81	22.08	0.10	13.33		0.42	17.79	4.37
D	40.63	0.32	22.58	0.07	15.50		0.61	15.82	4.71
D	41.15	0.77	22.09	0.59	12.63		0.47	18.12	4.45
D	41.24	0.69	22.47	0.05	13.36		0.47	17.87	4.28
D	41.13	0.87	22.06	0.05	12.27		0.43	17.97	4.42
D	40.91	0.62	22.11	0.37	13.28		0.46	17.63	4.46
D	41.18	0.53	22.56	0.11	13.46		0.49	17.57	4.44
D	40.84	0.35	22.68	0.13	14.13		0.52	16.51	5.05
D	40.89	0.41	22.51	0.15	14.23		0.50	16.41	5.45
D	41.36	0.78	22.19	0.15	12.90		0.40	18.10	4.18
D	40.71	0.60	22.04	0.04	15.02		0.51	16.62	4.33
D	40.90	0.87	21.63	0.06	13.07		0.40	17.94	1.54
D	41.66	0.85	21.85	0.64	9.55		0.28	19.88	4.79
D	41.49	0.90	21.85	0.40	10.31		0.29	19.42	4.83

D	42.56	0.85	21.95	1.52	8.90		0.29	20.72	4.39
D	41.70	0.79	22.48	0.07	12.40		0.36	18.32	4.56
D	41.87	0.79	22.79	0.02	11.53		0.36	18.65	4.56
D	42.15	1.09	22.37	0.35	10.60		0.31	19.33	4.78
D	42.09	1.17	21.63	1.30	9.77		0.31	19.62	4.84
D	41.84	1.06	21.63	0.31	9.60		0.27	19.75	4.86
D	41.92	1.25	21.51	0.25	10.11		0.27	19.61	4.79
D	41.94	1.23	21.35	0.34	9.81		0.28	19.72	4.84
D	41.87	1.22	21.35	1.31	10.04		0.29	19.68	4.68
D	41.76	1.03	22.33	0.22	12.03		0.39	18.13	5.19
D	41.33	1.11	20.92	1.47	9.58		0.26	19.88	4.79
D	40.81	1.18	20.53	1.87	9.36		0.31	19.43	4.92
D	41.16	0.89	19.55	3.90	7.42		0.25	20.50	5.03
D	41.22	0.72	20.53	3.16	7.53		0.31	20.44	4.94
D	41.19	1.21	20.90	1.09	9.48		0.25	19.88	4.74
D	41.30	0.89	21.23	1.19	9.47		0.29	20.14	4.25
D	40.81	1.30	20.97	0.81	10.58		0.29	19.22	4.75
D	40.66	1.35	20.13	1.96	10.04		0.29	19.20	5.01
D	41.08	1.05	21.06	1.15	10.04		0.32	19.44	4.75
D	40.33	0.60	21.63	0.56	12.52		0.45	17.14	5.40
D	41.17	0.94	20.77	1.76	9.09		0.27	20.20	4.67
D	41.00	1.25	20.58	1.39	9.43		0.25	19.81	4.80
D	40.90	1.09	20.95	0.88	10.65		0.32	19.30	4.65
D	40.91	1.12	21.49	0.14	10.90		0.34	19.29	4.63
D	41.00	1.18	19.73	2.89	8.67		0.28	20.02	5.04
D	40.98	1.20	20.73	1.52	9.32		0.28	19.86	4.74
D	40.69	1.47	20.58	0.86	10.69		0.32	19.09	4.89
D	40.90	1.25	20.70	1.33	9.77		0.26	19.74	4.82
D	41.00	0.98	21.17	0.75	10.80		0.31	19.20	4.30
D	41.03	1.28	20.74	0.94	9.83		0.26	19.66	4.80
D	41.13	0.94	21.44	0.78	10.53		0.31	19.50	4.19
D	40.73	1.28	20.70	1.07	10.14		0.28	19.21	4.82
D	41.26	0.96	20.89	1.64	9.01		0.26	20.22	4.47
D	40.72	1.28	19.87	2.57	9.10		0.32	19.51	5.20
D	40.95	1.32	20.60	1.39	10.13		0.30	19.42	4.81
D	40.90	1.02	21.07	1.28	10.27		0.33	19.35	4.56
D	41.02	1.21	20.79	1.48	9.62		0.31	19.49	4.80
D	41.14	1.20	20.80	1.39	9.70		0.28	19.71	4.81
D	41.02	1.23	20.54	1.72	9.59		0.31	19.63	4.93
D	41.02	0.70	22.22	0.04	11.92		0.37	18.51	4.53
D	41.07	0.91	21.74	0.71	10.70		0.33	19.18	4.32
D	41.20	1.04	20.99	1.26	9.15		0.25	20.19	4.63
D	41.14	1.05	20.85	1.33	9.53		0.27	19.80	4.73
D	41.03	0.96	21.01	1.34	9.66		0.28	19.79	4.69
D	41.06	1.00	21.06	0.99	10.02		0.28	19.65	4.58
D	40.81	1.19	20.71	1.55	9.56		0.28	19.66	4.84
D	40.77	0.99	21.67	0.15	11.93		0.36	18.77	4.00
D	40.86	1.17	20.66	1.73	9.46		0.28	19.56	4.88
D	41.14	0.96	20.88	1.42	9.31		0.29	20.07	4.60
D	41.18	1.00	21.01	1.81	9.04		0.27	19.76	4.53

D	40.96	0.96	21.33	0.74	10.62		0.32	19.42	4.41
D	40.79	1.21	20.56	1.74	9.30		0.27	19.76	4.66
D	41.02	1.19	20.66	1.61	9.44		0.26	19.69	4.81
D	41.12	1.19	20.95	1.32	9.83		0.30	19.67	4.75
D	41.23	1.03	21.01	1.08	9.88		0.27	19.80	4.59
D	40.92	0.38	19.83	2.45	9.54		0.30	19.31	5.24
D	41.35	0.88	20.91	1.66	8.87		0.28	20.41	4.36
D	40.84	1.29	20.62	1.43	10.08		0.27	20.62	4.91
D	41.12	1.13	20.68	1.85	9.23		0.29	19.86	4.87
D	40.93	1.10	21.48	0.18	11.75		0.37	18.68	4.61
D	41.17	1.16	21.04	1.34	9.41		0.27	19.94	4.71
D	40.87	1.06	20.86	1.55	9.58		0.26	19.58	4.75
D	41.08	0.94	21.45	0.75	10.82		0.30	19.25	4.25
D	41.30	0.98	21.52	0.85	10.47		0.30	19.54	4.51
D	41.84	0.87	21.91	0.89	9.78		0.26	20.06	4.27
D	41.34	1.19	21.31	0.61	11.27		0.30	18.88	4.67
D	41.94	0.96	21.51	1.01	9.12		0.25	20.45	4.51
D	42.05	0.93	21.54	1.06	8.81		0.22	21.74	4.42
D	41.69	1.08	21.57	0.74	10.23		0.26	19.65	4.49
D	41.73	1.09	21.36	0.84	10.00		0.27	19.91	4.52
D	41.84	0.99	21.60	0.88	9.85		0.27	20.04	4.41
D	41.44	1.24	21.40	0.48	11.58		0.31	18.76	4.70
D	41.62	1.02	21.65	0.55	10.83		0.31	19.28	4.48
D	41.25	1.15	21.49	0.56	12.09		0.32	18.31	4.57
D	41.56	1.15	21.52	0.69	10.68		0.30	19.29	4.58
D	42.06	0.87	21.52	1.53	8.62		0.25	20.78	4.47
D	42.04	0.94	21.73	0.85	9.43		0.28	20.30	4.34
D	41.60	1.11	21.51	0.70	10.58		0.29	19.47	4.56
D	41.53	1.09	21.63	0.64	10.61		0.30	19.40	4.52
D	41.28	0.86	22.07	0.08	13.08		0.36	17.88	4.47
D	41.78	1.12	21.52	0.68	10.70		0.29	19.35	4.60
D	41.52	1.28	21.37	0.53	11.58		0.33	18.83	4.65
D	41.92	0.80	21.74	0.95	9.18		0.25	20.56	4.29
D	42.13	0.93	21.54	1.08	8.97		0.25	20.50	4.51
D	41.28	1.33	21.04	0.75	11.45		0.30	18.86	4.54
D	41.76	1.05	21.49	0.91	9.78		0.25	20.00	4.53
D	42.00	1.01	21.48	0.89	9.64		0.25	20.08	4.48
D	42.01	0.99	21.40	0.97	9.16		0.24	20.31	4.50
D	42.07	1.00	21.49	1.12	9.09		0.23	20.44	4.54
D	42.01	0.99	21.62	1.03	9.13		0.25	20.40	4.54
D	42.19	0.79	21.89	0.97	8.96		0.23	20.62	4.31
D	42.06	1.00	21.65	0.86	9.73		0.25	20.05	4.47
D	42.18	0.94	21.62	1.08	9.00		0.26	20.71	4.44
D	42.09	1.00	21.57	1.00	9.15		0.25	20.40	4.52
D	41.42	1.18	21.50	0.47	11.40		0.30	18.88	4.59
D	41.15	0.67	22.25	0.02	14.09		0.43	16.98	4.46
D	41.87	0.99	21.52	0.97	9.37		0.26	20.33	4.49
D	41.41	1.00	21.93	0.46	11.37		0.29	18.74	4.24
D	41.88	0.97	21.57	1.14	9.10		0.24	20.18	4.51
D	41.62	1.10	21.71	0.73	10.40		0.28	19.36	4.58

D	41.53	1.13	21.62	0.68	10.58		0.30	19.16	4.59
D	41.91	0.83	22.04	1.03	9.11		0.25	20.30	4.30
D	41.45	1.20	21.66	0.61	10.88		0.29	18.95	4.64
D	41.92	1.01	21.54	1.15	8.94		0.22	20.44	4.51
D	41.23	1.10	21.73	0.34	11.97		0.34	18.22	4.53
D	41.10	1.04	21.53	1.20	8.88		0.23	20.86	4.33
D	41.38	1.19	21.64	0.42	11.75		0.32	18.70	4.57
D	41.70	1.16	21.46	0.79	10.36		0.29	19.63	4.61
D	41.72	1.07	22.03	0.43	11.22		0.28	19.25	4.22
D	42.19	1.03	21.89	0.73	9.92		0.28	20.01	4.47
D	42.10	1.04	21.59	0.88	9.71		0.25	20.27	4.56
D	42.01	1.21	21.41	0.81	10.12		0.26	19.88	4.68
D	41.73	1.16	21.86	0.20	12.19		0.36	18.49	4.57
D	41.68	1.08	21.93	0.45	11.53		0.31	19.13	4.30
D	42.07	1.00	21.75	0.95	9.58		0.24	20.26	4.48
D	42.02	1.01	21.63	0.95	9.22		0.25	20.48	4.50
D	41.84	1.05	21.94	0.51	11.11		0.30	19.31	4.27
D	41.79	1.03	21.86	0.46	11.18		0.30	19.28	4.30
D	41.84	1.09	21.69	0.64	10.39		0.27	19.75	4.49
D	41.86	1.06	21.74	0.78	10.03		0.25	19.96	4.48
D	41.78	1.14	21.61	0.72	10.49		0.30	19.53	4.55
D	42.04	0.98	21.76	0.90	9.65		0.26	20.15	4.37
D	41.42	0.70	21.38	2.28	8.37		0.28	20.39	5.05
D	41.16	0.85	21.25	1.83	9.30		0.28	19.75	5.18
D	41.34	0.76	21.53	1.70	9.29		0.29	19.83	5.14
D	41.37	0.67	21.28	2.34	8.55		0.26	20.21	5.19
D	41.43	0.60	21.59	2.10	8.29		0.27	20.46	4.96
D	41.56	0.62	21.77	1.78	8.35		0.26	20.54	4.89
D	41.62	0.82	21.56	1.58	9.29		0.29	19.82	5.06
D	41.82	0.65	21.33	2.23	8.48		0.28	20.37	4.99
D	41.64	0.88	21.42	1.85	8.93		0.26	20.12	5.16
D	41.32	0.89	21.95	0.82	11.13		0.35	18.91	4.94
D	41.35	0.91	21.77	0.87	10.95		0.33	18.99	5.02
D	42.00	0.55	21.37	2.54	8.01		0.25	20.72	4.93
D	41.47	0.87	21.80	0.84	10.98		0.33	18.90	4.97
D	41.79	0.53	20.83	3.16	7.59		0.25	20.81	5.00
D	41.74	0.56	21.58	2.08	8.67		0.30	20.31	4.89
D	41.57	0.60	20.50	2.25	8.71		0.26	20.17	4.89
D	41.70	0.63	21.45	2.17	8.77		0.28	20.19	4.92
D	41.63	0.78	21.62	1.75	9.27		0.27	19.90	4.98
D	41.91	0.60	21.44	2.43	8.18		0.26	20.58	4.95
D	41.79	0.70	21.72	1.72	9.38		0.31	20.02	5.01
D	40.96	0.54	22.39	0.28	13.66		0.45	17.38	4.74
D	41.48	0.89	21.33	1.72	9.68		0.28	19.58	5.14
D	41.28	0.91	21.31	1.63	9.90		0.31	19.36	5.35
D	41.13	0.95	22.10	0.15	12.55		0.37	17.79	5.31
D	41.87	0.69	27.78	1.59	9.43		0.28	19.94	4.86
D	41.56	0.80	21.67	1.53	9.74		0.30	19.69	5.06
D	41.82	0.53	21.76	2.22	8.35		0.26	20.51	4.95
D	41.90	0.64	21.75	1.98	8.56		0.27	20.50	4.89

D	42.07	0.74	22.14	0.83	9.31		0.29	19.69	5.00
D	41.95	0.96	21.97	0.65	8.82		0.28	19.86	5.51
D	41.87	1.12	21.61	0.65	9.55		0.32	19.49	5.62
D	42.44	1.15	22.42	0.41	7.00		0.24	21.06	5.63
D	41.94	0.77	22.20	0.76	9.15		0.31	19.96	4.95
D	42.36	0.61	22.58	0.69	8.97		0.31	20.23	4.46
D	41.71	0.63	22.62	0.64	10.00		0.32	19.13	4.81
D	41.85	0.52	22.73	0.87	8.77		0.30	19.86	4.82
D	41.40	0.70	22.19	0.96	9.99		0.30	19.04	4.85
D	41.58	0.71	21.88	1.53	9.35		0.29	19.49	4.82
D	41.61	0.64	22.17	1.19	9.67		0.28	19.27	4.78
D	41.73	0.69	22.51	0.71	9.82		0.28	19.36	4.76
D	41.73	0.71	22.34	0.95	9.79		0.31	19.29	4.88
D	41.61	0.71	22.41	0.95	9.92		0.30	19.24	4.73
D	41.61	0.60	22.78	0.35	11.15		0.34	18.48	4.65
D	41.45	0.71	22.38	0.84	9.97		0.31	19.07	4.73
D	41.41	0.62	22.63	0.45	10.96		0.34	18.56	4.58
D	41.48	0.64	22.51	0.83	9.91		0.31	19.13	4.85
D	41.11	0.81	21.59	1.21	10.64		0.39	19.00	4.79
D	40.98	0.63	21.43	2.12	9.57		0.38	19.34	5.08
D	40.87	0.76	19.55	4.30	9.15		0.37	19.32	5.01
D	41.07	0.99	20.86	1.90	10.28		0.37	18.99	5.08
D	41.39	0.83	20.47	2.75	8.09		0.28	20.51	5.03
D	40.87	1.08	20.39	2.28	10.52		0.35	18.76	5.21
D	40.71	0.73	19.99	3.97	9.50		0.37	19.34	4.96
D	40.73	0.75	19.92	3.93	9.49		0.38	19.31	5.02
D	40.75	0.67	20.16	3.70	10.16		0.40	19.21	4.68
D	41.03	0.69	19.88	4.23	9.51		0.37	19.41	4.82
D	41.75	0.83	20.65	2.61	8.15		0.28	20.64	5.05
D	40.65	0.79	18.78	5.18	9.33		0.37	18.75	5.46
D	41.76	0.68	20.14	3.46	7.46		0.27	20.95	5.07
D	41.26	0.93	21.21	1.57	10.34		0.35	19.04	5.06
D	41.57	0.77	21.08	2.04	8.83		0.31	20.23	4.95
D	41.10	1.08	20.09	2.79	10.05		0.33	18.99	5.44
D	41.02	0.97	20.87	1.71	10.41		0.32	19.04	5.02
D	41.73	0.87	20.56	2.60	8.27		0.26	20.53	5.06
D	41.02	0.71	20.17	3.70	9.14		0.39	19.25	5.45
D	41.76	0.88	20.79	2.49	8.62		0.28	20.38	5.10
D	41.11	1.05	20.98	1.46	10.49		0.35	18.98	5.04
D	41.58	0.81	20.76	2.45	8.38		0.29	20.45	5.00
D	41.77	0.64	20.59	2.99	7.75		0.26	20.86	4.91
D	41.27	0.94	21.48	1.02	10.79		0.39	18.87	4.90
D	40.88	0.74	19.38	4.80	8.76		0.36	19.39	5.16
D	41.29	0.94	21.35	1.49	10.29		0.34	19.21	4.84
D	40.71	0.94	18.90	4.40	9.74		0.39	18.54	5.90
D	40.40	0.99	18.89	4.59	9.03		0.33	18.96	5.87
D	40.88	0.93	20.89	1.91	10.23		0.34	19.23	5.03
D	41.10	0.68	21.76	1.39	10.51		0.36	19.60	4.31
D	40.78	1.11	20.60	1.70	10.62		0.36	18.74	5.27
D	41.19	0.67	21.81	1.53	10.41		0.35	19.58	4.29

D	41.15	0.61	21.68	1.78	10.22		0.38	19.68	4.44
D	40.93	0.93	20.43	2.74	9.38		0.34	19.60	5.17
D	40.77	0.96	20.78	1.93	10.27		0.36	19.14	5.11
D	41.38	0.82	19.25	4.80	8.83		0.33	19.20	5.79
D	40.33	0.83	19.35	4.26	9.79		0.40	18.56	5.68
D	40.67	0.82	19.72	3.90	9.66		0.41	19.11	5.24
D	41.32	0.72	21.48	2.34	7.41		0.24	20.71	5.26
D	41.39	0.87	22.04	1.26	8.50		0.26	20.14	5.21
D	41.28	0.81	21.22	2.61	7.74		0.28	20.43	5.29
D	40.09	0.96	22.80	1.45	9.84		0.28	19.39	4.79
D	41.15	1.24	20.09	3.54	7.16		0.22	20.56	5.75
D	41.20	1.00	21.21	2.13	8.79		0.26	19.88	5.39
D	41.06	1.00	21.22	1.98	8.74		0.26	19.84	5.32
D	40.91	0.98	20.78	2.53	8.73		0.30	19.74	5.42
D	41.31	0.64	21.67	2.29	7.71		0.30	20.44	5.19
D	41.15	0.96	21.82	1.26	9.38		0.26	19.61	5.14
D	41.02	0.92	20.56	3.33	8.17		0.29	19.97	5.53
D	41.15	0.87	21.49	1.84	8.58		0.29	19.92	5.28
D	40.95	1.06	20.76	2.59	8.64		0.29	19.61	5.54
D	40.95	0.85	20.80	2.92	8.07		0.26	19.94	5.43
D	41.22	1.08	21.53	1.84	8.83		0.29	19.86	5.30
D	41.37	1.11	22.56	0.39	9.34		0.31	20.76	3.78
D	41.28	0.88	21.86	1.53	8.14		0.26	20.38	5.26
D	41.34	0.86	21.68	1.86	7.95		0.27	20.44	5.23
D	41.29	0.91	21.58	1.73	8.42		0.26	20.46	5.08
D	41.51	0.87	21.73	1.73	7.80		0.29	20.74	5.26
D	41.27	0.79	20.54	3.29	7.26		0.25	20.54	5.46
D	41.42	0.78	20.55	3.58	7.99		0.26	20.05	5.62
D	41.17	0.82	20.38	3.56	8.01		0.28	20.00	5.63
D	41.36	0.83	20.94	2.81	7.26		0.24	20.63	5.44
D	41.16	1.08	22.32	0.06	10.51		0.34	19.17	5.23
D	41.39	0.76	21.33	2.53	8.19		0.30	20.06	5.43
D	41.01	1.14	22.28	0.09	10.30		0.33	18.90	5.62
D	41.72	0.56	22.21	1.62	7.72		0.26	20.82	4.99
D	41.54	0.78	22.01	1.56	8.45		0.24	20.38	5.22
D	41.64	0.69	21.34	2.44	7.53		0.25	20.68	5.25
D	41.17	0.76	20.71	2.79	8.26		0.29	19.79	5.68
D	41.44	0.74	20.40	3.72	6.72		0.27	20.66	5.52
D	41.85	0.49	22.05	1.99	7.11		0.31	22.01	4.46
D	42.26	0.75	20.17	3.60	7.08		0.27	21.55	4.49
D	42.10	0.63	21.20	2.46	8.37		0.30	21.12	4.08
D	41.73	1.02	20.44	2.49	8.97		0.31	20.42	4.85
D	41.49	0.51	20.73	3.09	8.98		0.32	20.43	4.40
D	41.70	0.78	21.54	1.50	9.42		0.34	20.62	4.03
D	41.86	0.84	21.59	1.39	9.34		0.32	20.43	4.18
D	41.78	0.70	22.32	0.64	9.54		0.32	20.85	4.07
D	41.80	0.67	22.15	0.66	9.76		0.33	20.96	4.03
D	41.89	0.76	22.18	0.63	10.35		0.36	19.88	3.87
D	41.44	0.54	22.32	0.36	11.82		0.43	18.86	4.38
D	41.10	0.43	22.98	0.19	12.31		0.46	18.61	4.37

D	41.29	0.58	22.27	0.26	12.53		0.44	18.62	4.18
D	41.84	0.54	22.69	0.40	12.31		0.40	17.91	4.12
D	40.98	0.38	22.73	0.09	13.89		0.42	18.24	3.68
D	40.94	0.35	22.69	0.27	13.79		0.54	17.98	3.67
D	41.20	0.37	22.56	0.31	13.87		0.55	17.56	3.72
D	41.62	0.39	22.59	0.27	13.65		0.52	17.27	3.71
D	40.36	0.38	22.50	0.38	14.31		0.47	18.09	3.80
D	41.53	0.38	22.74	0.09	13.69		0.50	17.18	3.93
D	40.87	0.03	19.49	5.65	9.04		0.47	17.36	6.53
D	41.28	0.08	22.31	2.37	9.34		0.54	18.56	5.32
D	40.65	0.10	19.64	5.29	9.05		0.51	17.31	6.46
D	40.95	0.01	20.28	5.12	8.57		0.56	17.97	6.45
D	39.90	0.34	21.26	1.04	15.59		0.66	14.55	5.99
D	40.26	0.01	16.94	9.27	7.69		0.48	17.68	7.10
D	40.11	0.00	17.11	8.93	8.05		0.44	17.04	7.69
D	40.70	0.01	17.61	8.38	7.50		0.38	17.43	7.88
D	40.43	0.01	18.45	7.54	7.54		0.42	17.61	7.18
D	40.52	0.01	18.32	7.61	7.46		0.39	17.56	7.49
D	40.54	0.01	18.23	7.66	7.33		0.35	17.74	7.71
D	40.62	0.00	19.11	6.84	7.46		0.40	18.03	6.96
D	40.07	0.00	17.38	8.56	8.36		0.47	16.63	7.89
D	40.31	0.02	17.94	8.10	7.41		0.38	17.21	7.88
D	40.38	0.00	18.22	7.62	8.08		0.44	17.29	7.35
D	39.72	0.01	13.92	13.30	7.29		0.44	18.00	6.48
D	40.71	0.02	19.22	6.51	7.61		0.36	18.09	7.09
D	40.23	0.00	17.36	8.86	7.20		0.34	17.23	8.09
D	40.71	0.04	19.08	6.92	7.54		0.38	17.98	7.12
D	40.95	0.02	19.38	6.35	8.10		0.46	18.08	6.42
D	40.57	0.01	19.04	6.83	8.00		0.39	17.86	6.81
D	40.72	0.01	18.44	7.40	7.27		0.36	17.59	7.48
D	40.76	0.01	18.67	6.63	7.82		0.37	17.39	7.09
D	40.15	0.00	17.67	8.40	8.41		0.49	16.47	8.01
D	40.62	0.01	18.50	7.64	7.58		0.40	17.71	7.58
D	40.90	0.01	19.61	6.45	7.84		0.41	19.44	5.12
D	40.96	0.02	19.33	6.21	7.30		0.37	18.22	6.67
D	40.48	0.01	18.54	7.55	7.81		0.43	17.34	7.57
D	40.47	0.02	18.70	7.00	8.04		0.40	17.27	7.37
D	40.71	0.01	19.57	5.94	7.98		0.37	17.75	6.97
D	40.90	0.03	20.05	5.72	8.25		0.42	18.49	6.03
D	40.23	0.09	17.95	7.55	7.99		0.36	18.87	5.76
D	41.73	0.06	21.45	3.50	8.10		0.42	20.22	4.66
D	41.52	0.06	20.51	4.59	8.03		0.36	19.77	5.13
D	42.05	0.77	20.00	4.39	6.71		0.31	21.13	4.90
D	41.64	0.24	21.10	3.88	8.41		0.41	19.95	4.67
D	40.87	0.28	17.91	7.27	8.92		0.46	18.25	5.73
D	41.11	0.16	18.42	7.16	7.88		0.43	19.29	5.54
D	40.80	0.10	19.59	5.91	8.52		0.50	19.06	5.26
D	40.45	0.30	17.32	8.59	8.11		0.42	19.19	5.51
D	40.97	0.16	21.32	3.87	8.52		0.46	20.45	4.05
D	40.32	0.35	17.52	8.38	7.90		0.39	19.21	5.53

D	42.00	0.00	21.20	4.15	6.60	0.00		20.50	5.26
D	41.40	0.04	21.80	3.53	5.62	0.31		22.20	4.84
D	41.70	0.11	22.30	1.73	7.63	0.46		20.90	4.20
D	41.60	0.02	21.30	2.64	8.09	0.81		19.90	4.54
D	41.80	0.18	21.70	2.66	7.60	0.29		20.20	4.78
D	40.90	0.52	19.10	3.97	11.60	1.40		17.40	5.08
D	41.60	1.26	18.70	4.54	6.00	0.81		21.50	4.95
D	41.70	0.40	19.20	5.35	5.40	0.71		21.50	5.21
D	42.10	0.38	20.20	4.00	6.10	0.88		22.10	4.73
D	41.80	0.00	22.31	2.15	6.81	0.35		21.60	4.58
D	42.30	0.03	20.50	3.54	5.63	0.85		22.30	4.93
D	42.50	0.21	19.10	5.58	5.57	0.49		20.90	4.91
D	41.30	0.16	17.00	7.44	6.65	0.57		19.40	6.45
D	42.00	0.03	22.10	2.07	7.95	0.31		20.10	5.43
D	41.80	0.23	22.60	1.34	8.54	0.46		21.30	4.38
D	41.80	0.27	17.50	6.27	6.47	0.85		19.70	6.28
D	41.70	0.08	15.90	8.74	7.12	0.50		23.70	1.65
D	42.10	0.03	19.60	5.37	6.95	0.42		22.20	3.33
D	42.40	0.03	20.40	4.45	7.14	0.36		23.20	2.03
D	41.60	0.00	18.70	6.24	7.40	0.44		22.90	2.24
D	41.60	0.00	21.30	3.52	8.64			20.20	4.61
D	40.20	0.05	20.40	3.17	14.80			14.30	6.27
D	40.50	0.40	22.20	0.22	16.54	0.40		14.48	4.69
D	42.00	0.11	22.99	0.50	10.66	0.84		18.67	5.22
D	41.10	0.00	19.90	5.59	6.61		0.28	21.00	4.66
D	42.50	0.23	21.20	4.25	6.96		0.27	19.30	4.96
D	41.49	0.48	18.99	6.65	5.75		0.32	19.81	5.71
D	41.97	0.04	21.27	4.34	6.79		0.37	20.72	4.53
D	43.14	0.02	20.56	4.99	6.15		0.36	20.28	4.64
D	42.46	0.29	19.99	4.18	6.85		0.22	20.34	5.08
D	41.33	0.38	19.98	4.42	6.92		0.28	20.32	5.28
D	40.98	0.32	19.73	5.62	7.00		0.31	19.96	5.25
D	41.66	0.18	20.23	5.32	5.96		0.30	21.13	4.86
D	41.82	0.04	21.81	3.70	6.97		0.40	20.50	4.39
D	41.57	0.09	21.52	3.88	7.71		0.39	20.41	4.82
D	40.91	1.64	17.89	5.71	6.65		0.28	21.28	5.31
D	40.56	0.09	22.47	3.41	7.18		0.38	21.03	5.40
D	42.95	0.54	20.92	3.44	6.92		0.28	21.05	4.82
D	42.20	0.13	22.76	2.33	7.91		0.39	19.89	3.88
D	42.30	0.03	21.90	4.89	6.97		0.26	20.00	5.34
D	42.00	0.08	22.50	2.18	8.41		0.47	20.10	4.56
D	41.80	0.06	21.30	4.16	7.83		0.39	19.70	5.41
D	41.70	0.00	22.90	1.56	8.64		0.31	19.90	4.53
D	42.15	0.02	21.97	2.62	7.81		0.45	19.61	5.39
D	41.78	0.09	22.36	2.46	7.54		0.48	19.66	4.87
D	42.18	0.01	21.65	3.36	7.03		0.41	20.38	4.74
D	41.91	0.03	21.11	4.11	7.00		0.35	20.25	5.26
D	41.82	0.01	22.35	2.78	7.63		0.44	20.11	4.99
D	42.86	0.24	19.72	5.61	6.11		0.29	20.90	4.88
D	42.11	0.40	18.92	6.30	5.79		0.39	20.54	5.41

D	43.07	0.17	23.07	0.36	10.56		0.44	18.65	4.39
D	42.77	0.54	21.80	1.30	9.56		0.33	19.22	4.60
D	42.33	0.51	22.27	0.71	9.95		0.35	18.87	4.36
D	42.65	0.30	23.00	0.26	11.35		0.31	18.42	3.72
D	42.66	0.36	22.49	1.27	8.59		0.35	19.60	4.66
D	42.54	0.69	19.63	4.54	8.56		0.44	19.27	4.59
D	42.42	0.67	21.89	1.34	10.35		0.42	18.77	4.18
D	43.01	0.32	22.79	0.66	7.97		0.28	20.02	4.25
D	42.47	0.26	21.00	2.72	9.13		0.48	18.69	4.78
D	42.17	0.43	22.85	0.00	11.61		0.34	14.56	8.70
D	42.59	0.45	19.37	5.14	6.70		0.45	20.12	5.01
D	42.71	0.60	20.51	3.50	6.97		0.27	19.97	5.26
D	43.33	0.00	20.81	4.25	6.30		0.35	20.12	5.34
D	41.90	0.49	18.02	6.44	7.88		0.34	18.45	5.98
D	43.36	0.44	22.79	0.79	7.26		0.19	21.13	4.24
D	42.57	1.34	19.58	4.01	7.52		0.31	20.29	4.39
D	41.54	0.28	20.92	2.50	11.37		0.39	17.53	5.19
D	42.08	1.53	20.21	2.63	7.06		0.28	20.96	4.53
D	42.08	0.79	20.37	3.13	7.12		0.33	20.37	4.94
D	43.16	0.26	19.03	6.46	5.52		0.33	21.29	4.48
D	42.26	0.80	21.33	2.22	7.15		0.22	20.45	4.82
D	41.73	1.41	16.15	4.10	4.67		0.23	16.07	9.44
D	42.00	0.15	17.87	7.29	7.24		0.34	19.00	5.48
D	42.58	0.16	20.81	3.58	6.66		0.26	20.21	4.79
D	43.20	0.51	22.55	1.17	8.14		0.33	19.78	4.55
D	42.84	0.31	22.89	0.59	9.55		0.52	18.74	4.78
D	43.18	0.17	23.27	0.43	9.54		0.33	19.34	4.61
D	42.86	0.10	21.12	3.71	6.79		0.50	19.70	5.22
D	43.06	0.09	20.06	5.05	6.07		0.31	20.45	4.98
D	43.21	0.05	20.58	4.42	6.00		0.23	20.76	5.37
D	41.37	0.67	16.18	8.58	7.80		0.44	17.93	6.61
D	43.04	0.05	19.59	5.61	6.08		0.13	20.59	4.83
D	41.54	0.40	22.96	0.14	9.50		0.29	19.33	5.30
D	42.00	0.38	23.14	0.20	9.67		0.35	19.08	5.25
D	41.44	0.45	22.86	0.06	10.72		0.35	18.44	5.36
D	40.97	0.49	22.39	0.00	13.27		0.34	16.41	5.43
D	41.07	0.29	22.75	0.03	14.30		0.37	15.88	5.37
D	40.74	0.19	22.65	0.16	14.43		0.36	15.49	5.53
D	40.37	0.20	22.45	0.02	17.27		0.33	13.98	5.12
D	40.38	0.27	22.51	0.03	16.04		0.52	13.87	6.23
D	39.76	0.17	22.17	0.03	19.55		0.78	12.15	5.19
D	38.81	0.09	21.54	0.08	23.39		1.12	8.64	6.12
D	41.45	1.13	21.27	0.55	10.70		0.26	19.28	4.50
D	42.31	1.13	20.88	0.48	11.03		0.27	19.35	4.48
D	41.90	1.25	20.53	0.52	11.20		0.27	19.20	4.58
D	42.34	1.23	20.90	0.62	10.49		0.26	19.74	4.57
D	41.50	1.17	21.18	0.57	10.85		0.27	19.21	4.54
D	41.98	1.27	20.87	0.48	11.49		0.28	19.01	4.61
D	41.68	1.14	21.15	0.79	9.90		0.25	19.83	4.60
D	41.81	1.22	20.47	0.57	11.03		0.28	19.22	4.61

D	41.53	0.76	21.27	0.01	13.35		0.39	17.69	4.40
D	40.95	0.78	21.74	0.01	13.62		0.39	17.37	4.48
D	41.96	1.10	20.57	0.87	9.49		0.22	20.34	4.53
D	41.40	1.12	21.49	0.20	11.64		0.32	18.66	4.54
D	41.87	0.98	21.25	1.03	8.95		0.24	20.52	4.42
D	41.91	1.15	20.71	0.56	10.57		0.28	19.47	4.50
D	41.05	0.70	21.84	0.01	13.43		0.38	17.35	4.45
D	41.85	1.16	20.64	0.55	10.77		0.27	19.38	4.51
D	42.20	1.25	20.39	0.62	10.89		0.28	19.52	4.62
D	42.00	0.55	20.53	2.58	7.03		0.24	21.44	4.80
D	41.05	1.25	20.63	0.36	11.60		0.36	18.03	5.61
D	41.98	0.63	20.97	1.71	7.86		0.25	20.86	4.72
D	41.44	0.75	21.46	0.50	10.70		0.33	19.18	4.53
D	41.80	0.72	21.40	0.82	9.51		0.29	19.98	4.63
D	42.00	0.70	21.08	1.50	8.11		0.24	20.83	4.77
D	42.13	0.48	22.62	0.24	11.79		0.43	18.24	4.51
D	41.74	0.57	22.38	0.32	12.14		0.45	18.20	4.73
D	41.94	0.65	21.98	0.15	13.90		0.51	17.27	4.60
D	41.39	0.56	21.91	0.05	15.04		0.54	15.93	5.37
D	42.03	1.04	21.63	0.10	12.53		0.40	18.53	4.63
D	41.80	0.58	22.31	0.14	13.77		0.49	17.52	4.31
D	42.61	0.70	22.21	1.39	8.80		0.36	20.64	4.28
D	41.30	0.57	21.84	0.06	14.83		0.55	15.86	5.48
D	42.22	0.55	22.51	0.22	12.41		0.41	18.00	4.45
D	41.57	0.54	22.25	0.22	12.54		0.38	18.11	4.38
D	41.41	0.54	21.98	0.12	13.75		0.47	17.47	4.55
D	41.61	0.53	21.98	0.15	13.78		0.48	16.51	5.79
D	41.35	0.57	21.78	0.16	13.80		0.48	16.43	5.53
D	41.97	0.73	21.65	0.84	8.52		0.24	20.36	4.73
D	41.40	0.59	22.41	0.20	10.98		0.34	18.91	4.35
D	41.14	0.65	22.02	0.05	12.75		0.40	17.92	4.29
D	42.43	0.75	21.69	0.72	9.05		0.27	20.39	4.69
D	42.23	0.86	21.92	0.40	9.74		0.28	19.86	4.60
D	41.91	0.97	21.54	0.47	9.68		0.27	19.61	4.93
D	42.00	0.53	21.88	1.41	8.92		0.31	20.04	4.59
D	41.59	0.98	21.38	1.05	8.98		0.26	20.29	4.41
D	41.02	1.22	20.90	0.73	11.13		0.31	19.16	4.54
D	41.22	1.10	21.52	0.68	10.78		0.28	19.81	4.46
D	41.70	0.90	21.26	1.55	9.29		0.31	19.16	5.51
D	41.34	1.10	21.69	0.44	10.05		0.32	18.44	5.62
D	41.37	0.91	21.72	1.03	8.84		0.29	19.64	5.26
D	41.54	1.06	21.89	0.59	9.27		0.33	19.29	5.42
D	41.86	0.79	21.52	1.65	8.70		0.31	19.91	5.15
D	41.88	0.66	21.56	1.87	8.06		0.28	20.12	5.21
D	42.18	0.92	22.25	0.81	8.56		0.28	19.80	5.57
D	40.94	0.58	23.11	0.26	9.61		0.30	19.53	4.78
D	40.99	0.62	22.87	0.00	13.54		0.39	16.34	5.55
D	40.84	0.67	22.89	0.02	13.60		0.38	16.35	5.56
D	41.94	0.15	23.26	0.34	8.08		0.39	18.10	7.71
D	41.82	0.06	23.38	0.10	7.51		0.23	15.99	10.90

D	42.29	0.27	20.00	4.79	5.63		0.23	22.09	4.73
D	41.99	1.36	20.12	2.59	7.65		0.25	21.14	4.66
D	41.85	1.22	20.66	2.05	7.81		0.24	21.03	4.60
D	41.46	1.66	17.59	5.60	7.06		0.27	20.82	5.28
D	41.75	1.32	18.35	5.27	6.49		0.27	21.29	5.20
D	41.45	1.55	17.55	5.90	7.00		0.24	20.77	5.30
D	42.19	0.68	20.58	3.22	6.87		0.24	21.51	4.68
D	42.26	0.25	20.79	3.39	6.47		0.23	21.58	4.70
D	42.45	0.47	20.55	3.35	6.23		0.24	21.90	4.80
D	42.12	0.16	20.27	4.10	6.50		0.24	21.24	5.24
D	42.13	0.61	20.16	4.08	6.51		0.25	21.50	4.76
D	41.72	1.49	19.47	2.97	8.69		0.27	20.43	4.76
D	42.09	1.01	19.81	3.71	6.89		0.28	21.23	4.96
D	42.06	1.49	19.81	3.00	7.04		0.25	21.56	4.70
D	41.30	0.27	20.26	4.27	6.34		0.26	21.50	5.10
D	40.93	0.10	19.22	6.27	6.94		0.30	19.46	6.10
D	42.16	0.21	20.12	4.07	6.22		0.26	21.54	4.96
D	42.62	0.34	20.84	3.89	6.58		0.27	20.11	4.73
D	41.17	0.02	20.65	5.12	6.00		0.33	21.52	4.56
D	41.74	0.01	22.27	2.12	8.16		0.41	20.37	4.44
D	41.86	0.10	18.41	7.74	5.32		0.27	23.69	2.29
D	42.17	0.66	22.04	1.86	8.14		0.24	20.93	4.44
D	42.18	0.08	20.33	4.81	6.38		0.33	20.95	5.26
D	42.18	0.01	20.96	4.61	6.52		0.34	20.61	5.60
D	42.07	0.07	22.47	2.37	8.26		0.45	20.09	4.82
D	43.03	0.01	22.33	3.24	5.37		0.26	23.77	2.63
D	42.35	0.04	21.97	3.44	5.68		0.27	22.73	3.84
D	41.69	0.05	22.20	2.14	8.43		0.46	19.97	4.77
D	41.57	0.08	17.17	9.60	6.23		0.45	18.99	7.36
D	41.65	0.07	17.13	9.63	6.14		0.44	18.66	7.30
D	41.75	0.07	17.55	9.08	6.26		0.45	19.00	6.99
D	41.68	0.07	17.68	8.74	6.28		0.45	19.40	6.83
D	43.22	0.01	20.49	5.80	4.89		0.23	25.23	1.18
D	43.37	0.00	20.43	5.75	4.60		0.24	25.24	1.20
D	43.25	0.01	20.43	5.80	4.78		0.25	25.21	1.19
D	42.39	0.00	20.23	5.52	6.91		0.38	20.39	5.58
D	42.26	0.01	20.10	5.87	6.82		0.37	20.63	5.22
D	42.00	0.00	19.10	7.31	5.77		0.35	24.10	1.37
D	41.95	0.06	18.66	6.39	7.64		0.44	19.81	5.25
D	42.13	0.06	18.80	6.32	7.46		0.38	19.70	5.48
D	40.09	0.28	15.37	9.79	5.71		0.37	14.26	13.86
D	41.99	0.34	20.64	2.68	9.14		0.35	20.30	4.94
D	42.52	0.09	22.29	2.59	7.68		0.35	20.88	4.78
D	42.32	0.28	21.44	3.45	7.73		0.38	20.55	5.09
D	42.25	0.49	20.91	4.12	7.17		0.31	20.98	5.02
D	42.59	0.04	21.71	3.28	7.95		0.40	20.24	5.29
D	42.68	0.24	21.89	2.90	7.67		0.37	20.90	4.80
D	42.37	0.07	20.70	4.59	7.69		0.41	20.00	5.60
D	42.50	0.04	21.73	3.17	8.04		0.39	20.19	5.25
D	42.38	0.30	21.09	3.81	7.80		0.38	20.45	5.19

D	42.39	0.81	20.11	4.55	6.50		0.29	21.11	5.56
D	42.80	0.29	21.99	2.62	7.50		0.36	21.09	4.73
D	42.55	0.13	22.17	2.52	8.09		0.35	20.62	4.81
D	42.07	0.07	18.99	6.80	6.78		0.39	19.76	6.60
D	42.40	0.30	21.28	3.63	7.46		0.35	20.62	5.24
D	42.56	0.07	21.77	3.18	8.00		0.40	20.21	5.27
D	42.57	0.02	21.25	3.97	7.65		0.41	20.10	5.27
D	42.52	0.03	21.53	3.51	7.72		0.38	20.16	5.48
D	42.49	0.06	21.53	3.43	7.70		0.38	20.30	5.35
D	42.53	0.04	21.79	3.20	7.73		0.39	20.44	5.20
D	42.40	0.29	20.71	4.28	7.44		0.38	20.53	5.23
D	42.25	0.42	20.33	4.86	6.48		0.33	20.94	5.38
D	42.76	0.06	20.26	2.62	7.38		0.35	21.09	4.78
D	42.31	0.02	20.94	4.38	7.34		0.40	19.68	6.05
D	41.93	0.10	20.00	5.30	7.15		0.39	19.31	6.32
D	41.80	0.10	19.09	6.63	7.53		0.46	18.73	6.66
D	41.67	0.06	22.00	2.39	8.45		0.49	20.72	4.73
D	41.51	0.02	20.47	4.30	6.16		0.30	21.40	5.38
D	41.95	0.05	18.54	6.76	6.07		0.36	20.80	6.04
D	41.24	0.38	19.01	5.87	6.71		0.36	20.32	6.18
D	41.79	1.25	17.70	6.37	7.26		0.32	21.09	5.49
D	42.70	0.80	21.20	1.50	8.60		0.30	20.70	4.30
D	42.06	0.37	22.00	2.49	6.71		0.28	21.70	5.09
D	42.63	0.80	20.12	2.57	7.05		0.24	22.46	3.98
D	42.33	0.03	20.50	3.54	6.36		0.25	22.38	4.93
D	42.22	1.28	20.88	0.45	11.58		0.34	19.45	4.74
D	42.37	0.32	19.21	5.04	6.51		0.30	21.08	5.13
D	41.99	0.98	19.91	3.56	6.81		0.29	21.99	5.06
D	42.12	0.97	21.13	2.18	7.41		0.26	22.03	4.75
D	40.61	0.18	23.85	0.17	8.14		0.12	12.04	16.48
D	42.44	0.16	23.29	0.00	8.72		0.18	16.34	9.10
D	42.72	0.01	21.74	3.59	7.36		0.39	20.04	4.96
D	43.61	0.00	21.83	3.65	5.34		0.34	24.93	1.22
D	44.05	0.00	22.89	1.73	5.35		0.34	25.05	1.15
D	42.91	0.05	21.61	3.07	8.81		0.30	18.43	5.73
D	43.31	0.03	23.31	0.67	8.97		0.25	18.65	5.38
D	43.05	0.17	23.38	1.32	7.66		0.29	20.50	5.01
D	41.46	0.16	23.50	0.90	8.70		0.30	20.25	4.70
D	42.30	0.08	23.33	1.30	7.41		0.30	20.34	4.91
D	43.10	0.24	22.70	1.45	7.82		0.33	20.37	5.14
D	42.68	0.16	22.82	1.40	7.51		0.30	19.95	4.96
D	43.00	0.16	23.72	0.39	8.98		0.33	18.98	5.07
D	40.52		22.41		16.58		0.64	14.25	6.12
D	40.46		22.44		17.07		0.68	13.57	6.00
D	40.44		22.72		17.83		0.67	11.73	7.68
D	40.28		22.81		17.96		0.70	11.96	7.42
D	41.60	0.01	23.26	0.31	15.37		0.46	15.50	4.62
D	41.37	0.01	23.25	0.24	15.10		0.37	15.56	4.59
D	40.99	0.08	23.10	0.30	15.12		0.38	15.70	4.74
D	41.25	0.01	23.13	0.23	15.23		0.36	15.93	4.51

D	40.97	0.01	23.11	0.24	15.23		0.42	16.07	4.48
D	40.87	0.01	22.92	0.27	15.51		0.41	15.78	4.48
D	40.78	0.01	22.90	0.27	15.52		0.41	15.40	4.68
D	40.43	0.07	23.02	0.23	15.36		0.40	15.82	4.50
D	40.44	0.01	22.84	0.27	15.26		0.39	15.88	4.45
D	40.79	0.01	22.91	0.26	14.95		0.38	15.99	4.65
D	40.24	0.01	22.65	0.26	14.72		0.39	16.34	4.58
D	40.65	0.01	22.93	0.26	14.57		0.39	16.29	4.48
D	40.60	0.07	22.77	0.29	14.53		0.33	16.28	4.60
D	40.64	0.09	22.88	0.23	14.57		0.37	16.37	4.54
D	40.57	0.06	22.83	0.27	14.99		0.37	16.04	4.61
D	40.78	0.10	22.75	0.26	14.86		0.36	15.99	4.56
D	40.95	0.08	22.97	0.29	14.84		0.38	16.17	4.62
D	40.87	0.01	22.92	0.25	15.45		0.43	15.87	4.55
D	40.65	0.01	22.71	0.27	15.68		0.44	15.71	4.58
D	41.14	0.10	22.87	0.20	15.10		0.43	16.10	4.53
D	41.13	0.01	22.95	0.24	15.21		0.38	15.68	4.87
D	40.79	0.08	23.11	0.20	15.52		0.42	15.75	4.51
D	40.67	0.01	23.07	0.13	16.32		0.46	14.93	4.68
D	40.68	0.09	22.75	0.22	15.45		0.40	15.73	4.65
D	40.74	0.01	22.87	0.23	15.27		0.45	15.70	4.69
D	40.56	0.08	22.67	0.23	15.56		0.44	15.70	4.76
D	40.70	0.09	22.85	0.22	15.30		0.41	15.57	4.72
D	40.66	0.01	23.04	0.20	15.42		0.42	15.90	4.62
D	40.67	0.01	22.89	0.21	15.72		0.37	15.48	4.67
D	40.71	0.01	22.69	0.31	15.41		0.45	15.69	4.56
D	40.91	0.10	22.65	0.25	15.02		0.36	15.87	4.43
D	40.67	0.13	22.71	0.27	14.92		0.38	15.90	4.58
D	40.42	0.01	22.72	0.23	15.60		0.42	15.62	4.67
D	40.52	0.01	22.64	0.26	16.23		0.48	15.20	4.55
D	40.70	0.01	23.07	0.27	15.22		0.43	15.77	4.60
D	41.09	0.01	23.13	0.30	15.02		0.38	15.73	4.62
D	41.46	0.01	23.27	0.29	15.12		0.44	15.67	4.51
D	41.25	0.01	23.17	0.29	15.49		0.43	15.62	4.79
D	41.32	0.01	22.99	0.26	15.00		0.45	15.79	4.63
D	41.57	0.01	23.46	0.30	15.15		0.42	15.67	4.56
D	41.83	0.01	23.40	0.27	14.95		0.42	15.78	4.58
D	41.97	0.01	23.33	0.24	15.21		0.40	15.85	4.37
D	41.72	0.01	23.45	0.24	14.84		0.41	15.93	4.44
D	41.80	0.07	23.25	0.32	15.03		0.44	15.96	4.58
D	41.86	0.01	23.40	0.29	15.13		0.39	16.07	4.47
D	41.80	0.01	23.34	0.27	14.80		0.34	16.14	4.52
D	41.91	0.01	23.22	0.28	14.86		0.39	15.76	4.68
D	41.94	0.01	23.48	0.27	14.74		0.36	16.10	4.45
D	42.02	0.01	23.23	0.27	14.80		0.41	16.06	4.47
D	41.79	0.01	23.30	0.26	14.84		0.33	15.91	4.45
D	41.69	0.01	23.44	0.26	14.75		0.37	16.06	4.50
D	41.71	0.01	23.21	0.24	14.73		0.34	16.24	4.43
D	41.85	0.01	23.39	0.22	14.54		0.36	16.20	4.50
D	41.69	0.01	23.40	0.26	14.56		0.31	16.16	4.50

D	41.89	0.01	23.24	0.26	14.85		0.39	16.05	4.48
D	41.75	0.01	23.24	0.26	15.53		0.41	15.57	4.60
D	41.66	0.01	23.28	0.29	15.98		0.46	15.23	4.65
D	41.54	0.01	23.44	0.21	15.63		0.45	15.37	4.34
D	41.89	0.01	23.40	0.20	15.45		0.41	15.50	4.45
D	41.82	0.01	23.39	0.26	15.49		0.40	15.37	4.48
D	41.60	0.01	23.24	0.29	15.68		0.44	15.41	4.49
D	41.74	0.01	23.38	0.23	15.65		0.49	15.68	4.55
D	41.76	0.01	23.30	0.24	15.65		0.43	15.37	4.59
D	41.70	0.01	23.31	0.24	15.49		0.42	15.42	4.53
D	41.75	0.01	23.35	0.27	15.91		0.46	15.08	4.85
D	41.29	0.01	23.33	0.24	15.55		0.46	15.10	4.72
D	41.71	0.01	23.23	0.31	15.54		0.44	15.24	4.50
D	39.66	0.01	22.64	0.26	15.36		0.41	15.98	4.58
D	39.83	0.01	22.44	0.25	15.41		0.41	15.96	4.66
D	39.84	0.01	22.60	0.29	14.63		0.38	16.33	4.49
D	40.07	0.01	22.57	0.30	14.91		0.42	16.35	4.42
D	40.21	0.01	22.66	0.28	14.49		0.38	16.22	4.66
D	40.44	0.01	22.57	0.23	14.66		0.38	16.33	4.54
D	40.15	0.01	22.63	0.17	16.10		0.47	15.39	4.59
D	40.28	0.01	22.47	0.28	16.19		0.54	15.33	4.77
D	40.41	0.01	22.95	0.24	15.37		0.36	15.97	4.60
D	40.21	0.01	22.64	0.17	16.84		0.52	15.11	4.23
D	40.46	0.01	22.94	0.25	15.92		0.44	15.49	4.61
D	40.39	0.01	22.74	0.20	16.04		0.52	15.58	4.42
D	41.71	0.01	23.29	0.29	14.98		0.34	16.00	4.61
D	41.33	0.01	23.02	0.30	15.01		0.34	16.12	4.56
D	41.45	0.09	22.97	0.30	14.57		0.36	16.28	4.54
D	41.49	0.11	23.05	0.31	14.22		0.35	16.53	4.50
D	40.68	0.01	22.90	0.29	14.92		0.40	15.99	4.51
D	40.90	0.01	22.84	0.27	15.34		0.37	15.96	4.52
D	41.36	0.01	22.80	0.24	14.82		0.44	16.22	4.35
D	41.62	0.01	23.23	0.25	14.80		0.37	16.01	4.41
D	41.56	0.01	23.11	0.24	15.73		0.44	15.53	4.35
D	41.87	0.01	23.18	0.24	15.53		0.47	15.62	4.44
D	41.91	0.01	23.29	0.26	15.39		0.44	15.61	4.62
D	41.66	0.01	23.15	0.26	15.26		0.44	15.74	4.58
D	41.85	0.01	23.20	0.24	15.17		0.39	15.87	4.51
D	41.70	0.01	23.07	0.26	15.43		0.43	15.79	4.50
D	41.54	0.01	23.18	0.21	15.60		0.47	15.73	4.47
D	41.47	0.12	23.06	0.22	16.43		0.47	14.69	4.79
D	41.31	0.09	22.97	0.22	14.85		0.34	16.12	4.61
D	41.21	0.01	23.01	0.27	16.54		0.48	14.78	4.61
D	40.39	0.01	22.73	0.29	14.90		0.40	16.22	4.49
D	40.91	0.01	22.75	0.27	15.02		0.41	16.23	4.57
D	42.47	0.50	22.99	0.63	10.33	0.00	0.21	19.93	4.86
D	42.66	0.69	21.96	0.73	10.10	0.00	0.26	19.76	4.80
D	42.28	0.69	21.90	1.03	9.38	0.00	0.29	20.28	4.91
D	41.83	0.74	22.09	0.53	10.06	0.00	0.28	19.53	4.78
D	42.69	0.73	22.05	0.69	9.70	0.00	0.26	19.20	4.90

D	42.32	0.74	22.39	0.95	9.03	0.00	0.29	20.38	5.11
D	42.82	0.03	21.09	2.21	7.10	0.00	0.20	21.27	4.62
D	42.73	0.38	21.05	2.51	8.01	0.00	0.26	21.01	4.64
D	41.78	0.67	18.54	4.97	8.36	0.00	0.31	19.15	5.80
D	40.83	0.78	20.51	2.88	8.74	0.00	0.32	20.06	5.07
D	42.32	0.72	19.41	4.53	8.30	0.00	0.28	20.62	5.26
D	41.15	0.31	22.16	1.70	8.76	0.00	0.39	20.35	4.58
D	40.39	0.85	18.46	6.09	7.46	0.00	0.31	19.88	5.81
D	41.49	0.77	18.09	6.11	7.31	0.00	0.25	20.07	5.91
D	40.30	0.89	18.18	5.81	9.29	0.00	0.30	18.91	5.94
D	41.21	0.52	22.04	1.68	7.64	0.00	0.28	21.74	4.66
D	41.89	0.38	21.07	3.06	7.06	0.00	0.27	21.06	5.01
D	41.57	0.23	22.06	1.71	10.46	0.00	0.41	19.02	4.54
D	41.29	0.22	21.34	2.71	7.50	0.00	0.36	20.50	5.93
D	40.87	0.21	18.74	6.09	6.52	0.00	0.30	20.09	6.32
D	41.37	0.03	17.85	7.45	6.25	0.00	0.21	19.81	6.75
D	41.32	0.07	20.50	4.10	6.73	0.00	0.34	20.25	6.26
D	41.50	0.46	22.40	2.62	8.64	0.00	0.31	20.70	4.95
D	41.80	0.30	21.80	2.53	8.08	0.00	0.31	21.30	4.99
D	42.00	0.30	22.10	2.39	7.32	0.00	0.31	21.80	4.98
D	41.70	0.75	21.80	2.42	8.71	0.00	0.33	20.70	5.11
D	41.50	0.05	18.60	7.02	6.45	0.00	0.30	20.60	7.04
D	41.40	0.55	20.90	4.47	7.29	0.00	0.34	20.60	5.40
D	42.18	0.24	18.47	5.35	7.63	0.00	0.46	19.98	6.01
D	42.53	0.01	21.29	2.38	7.54	0.00	0.43	20.27	6.01
D	42.22	0.03	20.10	4.30	7.08	0.00	0.40	19.93	6.55
D	40.89	0.19	18.63	6.11	7.16	0.00	0.43	19.60	6.83
D	42.44	0.34	19.35	3.70	7.63	0.00	0.29	20.44	5.88
D	41.44	0.03	20.39	4.24	7.41	0.00	0.37	19.63	6.09
D	42.48	0.00	21.10	3.36	7.29	0.00	0.38	20.23	5.76
D	42.59	0.06	20.75	4.56	7.40	0.00	0.43	19.97	6.45
D	43.06	0.25	22.81	1.36	7.76	0.00	0.33	21.12	4.84
D	42.57	0.00	21.86	2.92	7.57	0.00	0.39	20.91	5.73
D	42.93	0.23	21.34	3.03	7.48	0.00	0.36	21.16	5.31
D	42.70	0.28	17.94	5.60	6.30	0.00	0.32	20.14	5.95
D	42.33	0.19	20.55	4.16	6.33	0.00	0.41	21.60	5.63
D	42.48	0.25	20.38	3.18	8.05	0.00	0.36	19.80	5.63
D	42.27	0.05	21.02	3.42	7.17	0.00	0.44	20.56	6.04
D	42.59	0.20	21.08	3.73	6.34	0.00	0.37	21.64	5.48
D	42.46	0.05	20.96	3.04	7.76	0.00	0.37	20.26	5.60
D	42.42	0.02	19.52	3.72	7.45	0.00	0.50	19.06	6.18
D	42.53	0.25	19.43	4.58	7.20	0.00	0.26	20.72	5.66
D	41.82	0.09	19.77	4.40	7.16	0.00	0.42	20.69	6.03
D	42.60	0.06	21.20	3.25	7.26	0.00	0.36	20.85	5.61
D	42.75	0.04	20.53	3.34	7.15	0.00	0.40	20.19	5.88
D	41.71	0.00	22.98	0.49	8.94	0.00	0.37	18.92	6.59
D	41.69	0.00	23.01	0.49	10.72	0.00	0.49	17.70	5.89
D	41.72	0.00	23.46	0.07	10.03	0.00	0.19	18.39	6.14
D	42.14	0.00	23.51	0.17	9.06	0.00	0.35	19.27	5.50
D	41.95	0.00	23.46	0.54	9.89	0.00	0.24	18.71	5.21

D	42.00	0.00	23.53	0.26	8.24	0.00	0.18	18.23	7.56
D	41.74	0.00	23.34	0.48	8.92	0.00	0.43	17.07	8.02
D	42.00	0.12	21.90	2.85	8.23	0.00	0.40	20.25	4.93
D	41.99	0.09	21.98	2.79	8.08	0.00	0.41	20.39	4.90
D	41.91	0.10	21.97	2.92	8.46	0.00	0.47	20.02	4.94
D	41.77	0.00	23.42	1.24	6.87	0.00	0.27	21.63	4.63
D	42.37	0.10	23.73	0.96	6.62	0.00	0.19	21.90	4.49
D	42.25	0.11	23.83	0.97	6.55	0.00	0.19	22.02	4.59
D	41.90	0.10	23.77	1.05	6.59	0.00	0.24	21.92	4.30
D	41.62	0.12	23.57	0.22	10.22	0.00	0.25	20.52	3.52
D	41.85	0.00	22.51	2.27	7.77	0.00	0.33	20.65	4.85
D	42.00	0.14	22.77	1.23	8.30	0.00	0.31	20.86	4.30
D	39.00	0.10	21.80	0.10	24.20	0.00	0.60	9.20	5.70
D	39.20	0.10	21.80	0.20	23.60	0.00	0.80	9.30	5.60
D	39.10	0.10	21.70	0.20	22.90	0.00	0.80	9.20	5.70
D	42.52	0.21	19.15	5.58	6.01	0.00	0.31	20.93	4.91
D	42.11	0.15	18.64	6.19	6.03	0.00	0.29	20.82	4.98
D	41.38	0.06	13.45	13.00	6.09	0.00	0.33	19.88	5.36
D	39.95	0.00	21.61	0.00	17.33	0.00	0.64	13.71	5.94
D	38.73	0.00	20.97	0.00	21.99	0.00	0.72	10.49	5.93
D	41.40	0.15	22.96	0.04	8.41	0.00	0.09	14.34	11.81
D	40.82	0.20	22.92	0.06	9.63	0.00	0.17	12.76	13.16
D	40.65	0.08	22.72	0.10	14.72	0.00	0.33	12.67	8.70
D	40.31	0.17	22.73	0.08	12.17	0.63	0.17	13.04	9.91
D	40.42	0.07	22.49	0.09	14.49	0.32	0.36	13.76	7.00
D	41.91	0.14	23.46	0.50	8.60	0.00	0.35	20.50	5.14
D	41.74	0.10	23.16	0.54	10.76	0.00	0.43	18.59	4.95
D	42.53	0.12	23.62	1.18	7.21	0.00	0.24	20.77	4.82
D	42.67	0.19	23.25	1.14	7.51	0.00	0.19	20.91	4.90
D	42.75	0.23	22.70	1.52	6.94	0.00	0.31	21.39	4.83
D	42.24	0.27	23.12	1.59	6.82	0.00	0.21	20.61	5.11
D	42.55	0.22	23.56	1.23	6.72	0.00	0.18	20.67	4.90
D	42.79	0.20	23.35	1.32	6.50	0.00	0.34	21.06	4.87
D	42.28	0.13	23.42	1.18	7.01	0.00	0.33	20.97	5.18
D	43.41	0.13	23.86	1.18	6.34	0.00	0.24	21.47	5.14
D	42.38	0.23	23.32	1.55	6.63	0.00	0.25	21.16	5.07
D	42.22	0.24	22.99	0.76	8.22	0.00	0.32	20.34	4.85
D	42.46	0.11	22.58	0.99	7.15	0.00	0.26	21.46	4.80
D	42.64	0.37	22.88	1.11	8.01	0.00	0.37	21.16	4.71
D	42.82	0.19	22.71	1.12	8.44	0.00	0.31	20.00	4.67
D	42.01	0.20	23.48	1.05	7.61	0.00	0.30	21.35	5.02
D	41.84	0.16	23.42	1.15	7.50	0.00	0.28	21.42	4.97
D	42.31	0.21	23.52	1.28	7.41	0.00	0.28	21.76	5.03
D	41.88	0.18	22.83	1.00	7.48	0.00	0.32	20.80	4.82
D	41.72	0.20	22.63	1.25	7.47	0.00	0.32	20.79	4.92
D	42.05	0.17	22.88	1.16	7.26	0.00	0.30	21.32	5.00
D	42.28	0.19	22.82	1.41	7.02	0.00	0.25	21.54	4.92
D	40.12	0.05	22.26	0.16	19.12	0.00	0.60	12.08	6.48
D	39.99	0.11	22.05	0.00	18.56	0.00	0.49	11.37	7.75
D	39.30	0.05	22.25	0.01	16.93	0.00	0.66	6.96	14.22

D	39.00	0.06	22.68	0.04	16.03	0.00	0.49	5.66	16.55
D	39.47	0.05	22.48	0.00	19.21	0.00	0.69	6.52	12.73
D	41.33	0.01	23.40	0.46	11.21	0.00	0.37	18.55	3.83
D	41.34	0.02	23.77	0.03	12.94	0.00	0.58	16.72	5.01
D	41.43	0.05	23.47	0.02	12.44	0.00	0.59	16.61	5.30
D	41.02	0.03	22.96	0.08	14.92	0.00	0.51	14.10	6.90
D	40.64	0.08	23.20	0.13	12.36	0.00	0.49	15.71	6.86
D	40.68	0.00	23.45	0.36	12.81	0.00	0.61	17.73	3.93
D	41.21	0.01	23.54	0.28	11.53	0.00	0.43	17.42	5.69
D	40.29	0.03	22.83	0.06	15.51	0.00	0.41	15.29	3.97
D	41.02	0.03	22.74	0.06	14.17	0.00	0.59	14.28	6.27
D	40.73	0.05	22.76	0.07	16.99	0.00	0.40	14.77	4.14
D	41.59	0.07	23.50	0.05	12.47	0.00	0.41	19.21	3.41
D	41.99	0.04	23.46	0.14	11.86	0.00	0.46	21.19	1.49
D	41.75	0.00	21.80	1.76	12.63	0.00	0.49	19.62	2.45
D	41.87	0.00	23.09	0.28	11.91	0.00	0.35	19.75	2.90
D	40.76	0.01	22.07	0.76	15.57	0.00	0.46	16.90	3.68
D	40.90	0.00	20.95	3.44	11.84	0.00	0.59	19.32	2.47
D	41.90	0.05	22.80	1.18	10.00	0.00	0.42	19.10	5.23
D	41.80	0.14	22.40	1.52	9.72	0.00	0.41	19.00	5.49
D	41.70	0.09	22.60	1.32	9.71	0.00	0.45	19.00	5.47
D	42.06	0.18	22.21	1.82	8.35	0.30	0.38	20.00	4.93
D	41.56	0.20	22.52	1.44	8.87	0.32	0.36	20.30	4.99
D	41.90	0.05	22.80	1.18	9.60	0.44	0.42	19.10	5.23
E1	36.20	0.00	20.40		0.80	0.15	41.21		0.93
E1	36.35	0.03	20.60		2.01	0.10	40.28		0.61
E1	36.63	0.06	20.95		1.63		39.35		0.72
E1	36.26	0.04	20.65		2.86	0.42	39.10		0.70
E1	36.33	0.08	20.63		3.18	0.00	38.79		0.99
E1	38.11	0.00	20.78		0.79		38.15		1.32
E1	36.85	0.07	20.41		3.38	0.00	39.56		0.53
E1	36.63	0.07	21.08		2.00	0.27	37.25		2.36
E1	36.48	0.00	20.41		2.88	0.23	37.07		2.16
E1	36.36	0.00	20.36		5.60	0.50	36.65		0.56
E1	36.09	0.08	20.60		7.04	0.00	35.06		1.02
E1	36.34	0.10	20.25		7.89	0.26	24.51		0.44
E1	36.25	0.08	20.64		7.78	0.78	33.88		0.54
E1	36.02	0.07	20.49		8.52	0.93	33.77		0.45
E1	36.14	0.12	20.05		9.70	0.76	32.50		0.36
E1	36.74	0.06	20.90		11.21		30.07		0.34
E1	36.63	0.00	20.79		13.19		29.18		0.32
E1	36.47	0.03	19.69		13.54	1.71	28.21		0.45
E1	36.31	0.42	19.71		9.91	2.36	27.80		3.48
E1	37.05	0.10	20.24		14.37		27.21		0.24
E1	36.26	0.03	20.42		14.23	0.58	27.12		0.26
E1	36.23		20.63		19.70		23.32		0.15
E1	36.55	0.00	20.33		20.52	0.37	21.61		0.48
E1	36.41	0.07	20.50		20.63	0.82	20.95		0.34
E1	35.79	0.03	20.07		22.74		20.85		0.15
E1	36.74	0.07	20.06		21.19	0.75	20.63		0.33

E1	36.08	0.03	19.98		25.06		18.12		0.15
E1	36.85	0.04	20.77		25.83	0.87	15.24		0.35
E1	36.69	0.05	20.85		25.79	0.37	15.06		0.31
E1	36.57	0.04	20.75		27.89	1.85	12.76		0.37
E1	38.61		21.58		30.96		1.08	6.15	1.94
E1	38.28	0.11	21.48	0.03	33.60		0.51	4.93	1.60
E1	37.01	0.05	21.27		32.71		1.17	5.79	1.06
E1	35.96	0.06	19.93	0.01	31.89		1.92	0.67	8.20
E1	36.25	0.02	20.87	0.01	20.30		21.20	0.86	0.14
E1	35.83	0.12	20.89	0.01	19.82		21.58	0.86	0.14
E1	36.37	0.11	20.73	0.01	20.30		20.66	0.85	0.08
E1	36.49	0.07	20.80	0.01	20.24		20.71	0.78	0.50
E1	36.18	0.03	20.53	0.01	16.28		25.23	0.47	0.12
E1	35.28	0.18	20.67	0.01	15.11		27.23	0.33	0.18
E1	36.19	0.11	20.74	0.01	22.69		18.63	1.60	0.14
E1	36.47	0.03	20.95	0.01	23.00		18.24	1.44	0.23
E1	37.01		20.97		23.35		16.87	1.34	0.73
E1	36.28	0.33	20.24		14.10	1.00	27.08	0.28	0.98
E1	36.55	0.15	20.32		16.09	0.90	25.15	0.17	0.87
E1	36.76		20.66		37.15		1.63	2.97	0.91
E1	37.25		20.73		37.25		1.98	2.87	0.84
E1	36.61		20.94		33.70		6.14	2.57	0.61
E1	37.08		20.86		32.78		6.46	2.16	0.66
E1	37.20	0.10	20.20		15.90		17.20	0.40	9.30
E1	37.10	0.10	20.10		16.00		17.80	0.40	9.20
E1	37.20	0.10	20.20		16.10		17.40	0.50	9.20
E1	37.20	0.20	19.40		15.80		18.20	0.60	8.80
E1	36.80	0.30	19.20		15.40		17.90	0.50	9.80
E1	36.90	0.50	18.80		14.60		18.70	0.60	10.00
E1	37.00	0.30	18.60		14.50		18.90	0.50	10.10
E1	37.00	0.20	19.20		14.30		18.90	0.50	9.70
E1	36.80	0.20	19.50		14.30		19.20	0.50	9.20
E1	36.70	0.50	18.70		14.50		19.10	0.50	9.80
E1	36.70	0.50	18.30		14.50		18.50	0.60	10.20
E1	36.80	0.20	19.00		14.50		18.60	0.50	10.00
E1	36.80	0.50	18.40		14.50		18.30	0.50	10.70
E1	37.10	0.30	19.10		15.50		18.00	0.50	9.50
E1	37.20	0.20	19.60		16.00		17.50	0.60	9.10
E1	37.10	0.10	19.90		15.90		17.70	0.50	9.10
E1	36.90	0.10	20.10		16.20		17.20	0.40	9.30
E1	36.80	0.10	20.50		15.10		17.10	0.30	9.60
E1	36.90	0.00	20.40		16.00		16.20	0.20	9.90
E1	37.20	0.10	20.30		15.60		17.10	0.30	9.60
E1	37.00	0.00	20.20		16.10		17.50	0.40	9.00
E1	36.80	0.00	20.10		16.30		17.50	0.40	8.80
E1	36.90	0.00	20.10		16.00		17.70	0.50	8.80
E1	36.90	0.10	20.00		15.80		17.70	0.40	8.80
E1	36.80	0.00	20.20		16.00		17.70	0.50	9.00
E1	36.80	0.00	19.90		15.70		17.50	0.40	9.30
E1	37.00	0.00	20.00		15.90		17.60	0.50	9.40

E1	36.90	0.10	19.80		15.80		17.70	0.50	9.20
E1	36.80	0.10	19.80		15.80		17.80	0.40	9.30
E1	36.40	0.10	19.90		15.90		17.50	0.40	9.20
E1	36.60	0.10	19.90		15.90		17.50	0.40	9.20
E1	36.70	0.10	20.00		15.80		17.70	0.40	9.10
E1	36.80	0.10	20.30		15.60		17.50	0.40	9.20
E1	36.70	0.10	20.20		16.20		17.10	0.40	9.00
E1	37.10	0.00	20.40		15.70		17.50	0.40	9.30
E1	37.00	0.10	20.50		15.30		17.20	0.30	10.20
E1	37.50	0.10	20.60		15.50		16.90	0.40	10.10
E1	37.00	0.10	20.50		14.90		16.70	0.30	10.70
E1	37.20	0.10	20.30		15.70		17.10	0.40	9.80
E1	36.80	0.00	20.20		16.00		17.50	0.40	9.00
E1	37.10	0.40	18.90		15.30		18.20	0.60	10.00
E1	36.80	0.50	18.40		15.10		18.20	0.50	10.20
E1	37.00	0.50	18.30		14.70		18.70	0.50	10.60
E1	36.80	0.30	18.90		14.90		19.10	0.50	9.40
E1	36.70	0.30	18.80		14.40		19.60	0.50	9.30
E1	36.40	0.50	18.30		14.70		18.60	0.60	10.20
E1	36.90	0.50	18.50		14.90		18.70	0.60	10.20
E1	36.80	0.40	19.10		15.00		19.10	0.60	9.30
E1	36.90	0.30	19.40		14.70		18.90	0.60	9.00
E1	36.70	0.40	18.90		15.30		17.60	0.50	10.40
E1	36.80	0.10	19.40		15.60		18.20	0.50	9.50
E1	37.20	0.10	20.00		16.00		17.70	0.50	9.30
E1	37.00	0.00	20.20		15.90		17.30	0.40	9.40
E1	37.20	0.00	20.30		15.70		17.30	0.40	9.60
E1	37.10	0.00	20.70		15.40		16.90	0.30	10.00
E1	37.10	0.00	20.40		15.80		17.10	0.40	9.20
E1	36.90	0.10	20.00		15.90		17.50	0.40	9.20
E1	36.90	0.10	19.60		15.90		18.00	0.60	9.00
E1	36.80	0.40	18.50		15.40		18.10	0.40	10.50
E1	36.90	0.40	18.30		14.70		18.70	0.50	10.60
E1	37.10	0.50	18.90		14.60		19.20	0.50	9.50
E1	37.30	0.30	18.80		14.50		19.00	0.50	10.20
E1	36.70	0.50	18.80		14.40		19.80	0.50	9.80
E1	37.00	0.50	17.90		14.50		18.40	0.50	10.90
E1	36.90	0.20	19.10		15.00		18.90	0.60	9.50
E1	37.00	0.30	19.00		15.30		18.40	0.60	9.60
E1	36.90	0.30	18.90		15.50		18.50	0.50	9.90
E1	37.20	0.30	19.30		15.00		18.90	0.50	9.50
E1	37.10	0.30	18.70		15.10		18.10	0.50	10.40
E1	37.00	0.10	20.10		15.90		17.50	0.40	9.30
E1	37.30	0.00	20.20		15.90		17.60	0.40	9.30
E1	37.30	0.00	20.60		16.00		16.90	0.40	9.40
E1	37.00	0.00	20.70		15.50		17.40	0.40	9.60
E1	37.20	0.00	20.70		15.20		17.00	0.30	10.30
E1	36.50	0.50	18.30		14.90		18.80	0.80	9.10
E1	36.70	0.50	18.70		15.10		18.70	0.90	9.10
E1	36.80	0.40	18.50		14.80		18.80	0.80	8.90

E1	36.40	0.50	18.30		14.40		19.30	0.70	9.60
E1	36.70	0.90	18.50		14.10		20.00	0.70	9.40
E1	36.60	0.60	18.00		14.30		18.90	0.80	9.70
E1	36.70	0.60	18.00		14.10		19.50	0.80	9.50
E1	36.30	0.70	17.70		14.40		18.80	0.80	9.90
E1	36.60	0.60	18.30		14.10		19.30	0.80	9.20
E1	36.90	0.50	18.00		14.70		18.60	0.80	9.40
E1	36.50	0.50	18.10		14.40		19.10	0.80	9.40
E1	36.50	0.50	18.40		14.70		18.40	0.80	9.50
E1	36.80	0.30	19.30		14.50		18.80	0.70	9.60
E1	36.90	0.50	18.10		15.00		18.20	0.70	10.20
E1	36.70	0.40	18.70		14.80		18.70	0.70	9.60
E1	36.90	0.50	18.60		15.00		18.90	0.80	9.00
E1	37.00	0.60	18.30		14.80		18.70	0.80	9.30
E1	37.00	0.60	18.40		14.80		18.80	0.80	9.20
E1	37.10	0.50	18.60		14.90		18.50	0.80	9.10
E1	36.70	0.40	18.90		15.30		18.60	0.70	8.70
E1	36.70	0.40	19.40		15.00		19.30	0.70	8.70
E1	36.80	0.30	19.40		15.90		18.30	0.70	8.30
E1	37.00	0.10	19.80		15.90		18.80	0.60	8.30
E1	36.80	0.30	19.20		15.40		18.80	0.50	9.00
E1	37.10	0.30	19.30		15.90		18.60	0.80	8.40
E1	36.70	0.30	19.20		15.70		19.00	0.70	8.40
E1	36.90	0.50	18.80		15.30		19.30	0.80	8.30
E1	36.80	0.40	18.80		15.10		19.00	0.80	8.50
E1	36.90	0.50	18.80		15.30		19.10	0.80	8.90
E1	36.80	0.50	18.70		15.10		19.00	0.80	8.40
E1	36.70	0.40	19.00		15.10		19.20	0.80	8.40
E1	36.70	0.40	18.70		15.30		19.50	0.80	8.40
E1	36.50	0.40	18.60		15.10		19.40	0.80	8.40
E1	37.00	0.20	19.60		15.70		18.60	0.60	8.80
E1	37.30	0.20	19.60		15.60		18.80	0.50	9.10
E1	37.00	0.20	19.30		15.20		19.30	0.60	8.70
E1	37.10	0.40	18.70		14.80		19.40	0.50	9.40
E1	37.10	0.40	18.30		14.80		18.40	0.60	9.90
E1	37.30	0.30	18.50		14.90		18.20	0.70	10.20
E1	36.70	0.50	18.10		14.30		18.90	0.70	10.40
E1	36.70	0.60	18.10		14.30		18.70	0.70	10.10
E1	36.80	0.60	17.50		14.30		18.60	0.70	10.50
E1	36.70	0.50	17.70		14.40		18.50	0.70	10.90
E1	36.70	0.60	17.40		14.10		19.90	0.60	10.30
E1	36.10	0.60	16.80		14.30		19.80	0.70	10.50
E1	36.50	0.60	17.40		14.40		19.20	0.70	10.70
E1	36.40	0.70	17.00		14.00		19.90	0.70	10.30
E1	36.60	0.60	17.50		14.20		20.10	0.70	10.50
E1	36.70	0.40	17.50		14.10		19.40	0.60	10.80
E1	36.30	0.70	17.40		14.30		19.40	0.70	10.40
E1	37.20	0.10	18.80		13.90		19.70	0.60	9.70
E1	36.90	0.50	17.70		14.50		19.70	0.80	9.70
E1	36.20	0.60	17.10		14.60		19.80	0.70	9.50

E1	36.40	0.60	17.70		14.60		19.50	0.80	9.60
E1	36.20	0.60	17.30		14.30		19.70	0.80	9.60
E1	36.30	0.60	17.70		14.70		19.50	0.80	9.50
E1	36.50	0.30	18.20		15.20		19.30	0.70	9.00
E1	36.90	0.30	18.50		15.20		19.80	0.60	8.80
E1	36.10	0.10	18.80		15.40		19.90	0.70	8.20
E1	35.70	0.50	18.10		14.70		19.40	0.70	9.70
E1	35.90	0.60	17.40		14.50		18.70	0.80	9.90
E1	36.60	0.20	19.00		15.60		18.40	0.60	9.40
E1	36.82	0.01	20.94		34.59		5.32	1.98	0.78
E1	36.84	0.02	20.95		35.03		5.02	2.17	0.74
E1	36.71	0.04	20.83		34.77		5.56	2.29	0.72
E1	36.99	0.04	20.75		34.87		5.38	2.27	0.67
E1	37.15	0.00	21.17		34.03		3.12	3.47	0.76
E1	36.18	0.05	20.82		35.37		5.41	1.44	0.79
E1	37.31	0.00	21.32		34.99		3.73	3.48	0.76
E1	36.57	0.02	20.84		35.96		4.61	2.05	0.76
E1	36.61	0.02	20.70	0.00	32.78	1.29	5.17	2.35	1.24
E1	37.14	0.05	21.07	0.03	33.58	0.81	3.14	3.38	1.31
E1	37.16	0.00	21.33	0.01	33.64	1.14	2.96	3.45	1.29
E1	37.21	0.01	21.06	0.00	33.30	1.19	2.54	3.89	1.32
E1	37.00	0.01	21.19	0.02	33.44	1.37	2.48	3.72	1.30
E1	36.96	0.00	21.09	0.07	33.57	0.76	2.38	3.70	1.26
E1	36.99	0.01	21.02	0.05	33.25	1.64	2.54	3.75	1.35
E1	37.00	0.01	21.03	0.04	32.97	2.22	3.02	3.71	1.26
E1	36.92	0.07	21.05	0.00	33.46	1.20	2.51	3.66	1.32
E1	36.80	0.00	20.82	0.05	33.11	1.54	3.28	3.35	1.25
E1	37.19	0.00	21.12	0.01	30.80	0.49	6.46	3.56	0.83
E1	36.82	0.05	20.84	0.00	31.06	0.15	7.44	2.58	0.73
E1	36.81	0.04	20.71	0.02	30.13	0.98	6.76	3.62	0.76
E1	36.57	0.00	21.00	0.01	30.58	0.41	7.62	2.69	0.81
E1	37.19	0.01	20.78	0.03	30.03	0.86	6.64	3.84	0.86
E1	36.82	0.00	20.93	0.01	31.04	0.73	7.70	2.51	0.88
E1	36.87	0.05	20.92	0.05	30.08	0.83	6.57	3.77	0.85
E1	36.37	0.01	21.11	0.00	30.57	0.32	7.33	2.82	0.78
E1	37.58	0.09	21.16		23.96	0.00	12.78	3.44	1.45
E1	37.68	0.00	21.47		22.04	0.00	14.30	2.71	1.28
E1	37.12	0.02	21.50		20.72	0.00	16.66	2.20	1.43
E1	37.11	0.02	21.43		20.78	0.00	17.00	1.98	1.43
E1	37.55	0.00	21.57		21.27	0.00	14.29	2.47	1.23
E1	37.80	0.00	21.37		22.82	0.00	14.31	2.94	1.33
E1	37.85	0.02	21.50		24.31	0.00	12.75	3.31	1.40
E1	37.37	0.23	20.99		24.50	0.57	12.37	3.51	1.61
E1	36.94	0.06	21.68		21.90	0.00	15.57	2.80	1.20
E1	37.13	0.00	21.62		20.28	0.00	16.82	1.81	1.66
E1	36.94	0.01	21.37		19.72		18.10	1.76	1.40
E1	37.26	0.00	21.21		22.20		15.40	2.34	1.67
E1	37.83	0.01	21.62		23.29		14.32	2.89	1.74
E1	37.36	0.00	21.78		23.83		12.92	3.30	1.31
E1	37.41	0.08	21.52		23.61		13.06	3.35	1.33

E1	37.78	0.01	21.40		22.70		14.72	2.76	1.62
E1	37.89	0.06	21.76		22.01		16.06	2.38	1.50
E1	37.41	0.00	21.27		19.17		18.46	1.68	1.61
E1	37.24	0.00	21.22		23.26	0.00	13.43	2.81	1.42
E1	37.21	0.15	21.24		19.85	0.00	17.60	1.61	1.57
E1	37.65	0.05	21.56		26.12	0.00	10.17	3.55	1.39
E1	38.05	0.02	21.88		25.50	0.00	11.61	3.39	1.25
E1	37.21	0.07	21.25		19.60	0.18	16.93	3.66	0.70
E1	37.25	0.05	21.47		22.52	0.12	14.52	3.00	1.16
E1	37.04	0.02	21.53		21.13	0.00	16.56	2.04	1.14
E1	36.67		20.16		23.38		18.58	0.52	0.62
E1	36.27		19.97		23.58		17.89	0.64	0.58
E1	36.53		20.62		28.02		13.43	0.69	0.32
E1	36.94		21.27		23.79		17.52	0.67	0.56
E1	36.45		20.85		22.97		18.38	0.65	0.50
E1	36.40		20.18		23.48		18.99	0.28	0.48
E1	36.46		20.64		23.14		19.71	0.24	0.21
E1	36.25		20.29		23.17		19.34	0.32	0.23
E1	36.60		20.21		24.14		18.20	0.00	0.25
E1	36.84		20.25		22.43		19.48	0.00	0.34
E1	35.31		19.96		20.44		22.62	0.12	0.25
E1	35.09		19.80		20.96		22.05	0.13	0.23
E1	34.98		19.64		20.45		22.36	0.20	0.21
E1	36.30	0.12	20.10		24.00		16.90	0.40	1.00
E1	35.90	0.15	20.10		24.30	0.63	16.40	0.44	1.04
E1	36.10	0.10	20.10		24.40	0.47	16.60	0.47	1.01
E1	36.40	0.06	20.20		23.80		17.00	0.35	0.93
E1	36.60	0.00	20.50		23.40		17.60	0.33	1.05
E1	36.40	0.08	20.30		25.00		16.10	0.47	0.91
E1	36.30	0.12	20.30		24.80	0.30	16.20	0.50	0.93
E1	36.70	0.10	20.40		23.50		17.80	0.32	1.01
E1	36.40	0.00	20.50		23.10		17.70	0.29	1.00
E1	36.20	0.01	20.40		22.30	0.98	17.70	0.68	1.35
E1	36.20	0.03	20.30		21.70	0.50	18.70	0.61	1.15
E1	35.70	0.02	20.10		20.60	0.73	19.20	0.59	1.01
E1	35.60	0.18	20.20		20.80	1.00	19.10	0.60	0.99
E1	36.00	0.14	20.00		21.70	1.33	18.20	0.67	1.13
E1	36.30	0.09	20.10		23.20	0.51	17.20	0.78	1.02
E1	36.60	0.04	20.80		22.60	0.56	18.10	0.67	1.22
E1	36.20	0.09	20.20		21.40	0.43	19.20	0.58	1.09
E1	36.50	0.04	20.40		20.70	0.31	20.40	0.48	1.14
E1	36.30	0.09	20.30		20.20	0.14	20.60	0.42	1.13
E1	36.10	0.14	20.20		20.30	0.11	20.40	0.47	0.97
E1	36.00	0.17	20.00		20.40	0.32	20.10	0.48	1.01
E1	36.20	0.12	20.20		20.90	0.66	19.89	0.56	0.98
E1	36.40	0.04	20.50		22.50	0.46	18.10	0.68	1.25
E1	36.60	0.00	20.30		23.00	0.07	17.80	0.66	1.27
E1	37.55	0.02	22.90		33.97		0.93	4.85	1.14
E1	36.42	0.00	21.08		37.54		1.88	1.92	1.14
E1	38.55	0.00	22.69		30.80		0.77	8.01	1.33

E1	38.07	0.02	22.42		30.92		0.56	7.26	1.20
E1	38.12	0.00	22.41		32.48		0.98	6.50	1.25
E1	36.02	0.00	20.90		37.27		2.06	1.92	1.17
E1	39.00	0.01	22.52		29.31		0.78	7.76	1.23
E1	37.26	0.00	21.46		36.97		1.44	2.85	1.33
E1	37.85	0.02	22.31		31.77		0.92	5.94	1.18
E1	38.07	0.01	21.68		34.61		1.11	4.23	1.11
E1	37.60	0.00	21.97		30.92		0.86	6.72	1.24
E1	37.52	0.02	21.43		35.33		1.91	3.80	0.85
E1	38.46	0.00	22.18		31.47		1.14	5.70	1.27
E1	38.68	0.00	21.71		29.74		0.64	7.64	1.18
E1	38.29	0.04	21.65		33.13		1.01	6.62	1.13
E1	38.23	0.00	21.96		32.86		0.79	6.13	1.20
E1	34.55	0.00	20.63	0.00	7.11	1.92	35.30	0.00	0.32
E1	34.06	0.00	20.20	0.00	7.08	2.74	34.84	0.00	0.49
E1	34.66	0.00	20.58	0.00	6.83	2.10	35.50	0.22	0.18
E1	34.04	0.00	20.18	0.00	6.83	2.37	34.36	0.00	0.88
E1	35.96	0.00	20.26	0.00	15.05	0.74	27.39	0.00	0.42
E1	35.00	0.00	19.69	0.00	9.65	2.95	31.71	0.32	0.80
E1	35.77	0.05	19.78	0.00	16.22	1.74	25.71	0.27	0.49
E1	35.26	0.23	19.27	0.00	13.39	2.67	27.76	0.32	0.85
E1	35.77	0.07	20.35	0.00	16.45	0.92	25.82	0.22	0.32
E1	36.64	0.02	20.16	0.00	28.14	0.00	13.27	0.99	0.64
E1	36.74	0.00	20.17	0.00	29.35	0.00	11.56	1.12	0.77
E1	37.07	0.04	20.18	0.00	29.85	0.00	11.12	1.15	0.77
E1	37.03	0.00	20.28	0.00	29.80	0.00	11.29	0.99	0.72
E1	37.00	0.01	20.37	0.00	29.75	0.00	11.59	1.09	0.75
E1	36.27	0.04	20.20	0.00	28.98	0.00	11.97	1.03	0.73
E1	36.84	0.03	20.27	0.00	23.04	0.00	18.68	0.56	0.62
E1	36.53	0.00	20.25	0.00	24.73	0.00	16.31	0.66	0.65
E1	36.45	0.00	20.14	0.00	28.71	0.00	13.29	0.93	0.59
E1	36.70	0.00	20.02	0.00	28.21	0.00	12.86	1.07	0.63
E1	36.90	0.02	20.31	0.00	25.65	0.00	16.09	0.78	0.60
E1	36.93	0.00	20.27	0.00	27.67	0.00	13.45	1.05	0.67
E1	36.96	0.05	20.24	0.00	28.10	0.00	12.81	1.06	0.73
E1	37.05	0.00	20.13	0.00	26.05	0.00	15.68	0.78	0.60
E1	36.87	0.02	20.21	0.00	28.07	0.00	13.20	1.02	0.54
E1	36.57	0.03	20.13	0.00	28.79	0.00	11.82	1.15	0.72
E1	36.87	0.03	19.99	0.00	29.43	0.00	11.35	1.13	0.75
E1	36.68	0.03	19.90	0.00	29.85	0.00	10.85	1.14	0.67
E1	36.83	0.00	20.07	0.00	29.39	0.00	11.31	1.15	0.70
E1	36.94	0.00	20.08	0.00	29.20	0.00	11.22	1.07	0.71
E1	36.65	0.00	20.24	0.00	29.39	0.00	11.29	0.99	0.72
E1	37.26	0.02	20.44	0.00	28.96	0.00	12.30	1.08	0.74
E1	37.16	0.01	20.27	0.00	28.98	0.00	11.94	1.13	0.73
E1	37.06	0.01	20.09	0.00	29.01	0.00	11.57	1.18	0.72
E1	37.06	0.02	20.39	0.00	28.57	0.00	12.07	1.05	0.67
E1	37.23	0.05	20.52	0.00	26.69	0.00	14.32	1.00	0.69
E1	37.12	0.01	20.32	0.00	29.41	0.00	11.40	1.17	0.67
E1	36.96	0.02	19.98	0.00	29.01	0.00	11.16	1.09	0.75

E1	36.56	0.02	19.98	0.00	27.09	0.00	13.52	1.00	0.75
E1	36.75	0.02	20.34	0.00	27.80	0.00	13.05	1.06	0.71
E1	36.95	0.00	20.36	0.00	27.08	0.00	13.55	1.03	0.66
E1	37.05	0.00	20.13	0.00	26.05	0.00	15.68	0.78	0.60
E1	36.79	0.01	20.42	0.00	28.32	0.00	13.19	1.17	0.61
E1	37.59	0.00	20.47	0.00	26.88	0.00	14.60	0.92	0.54
E1	37.12	0.01	20.38	0.00	30.23	0.00	10.77	1.18	0.65
E1	37.05	0.01	20.22	0.00	29.75	0.00	11.19	1.05	0.75
E1	36.81	0.00	20.33	0.00	28.35	0.00	11.84	1.05	0.69
E1	37.16	0.05	20.19	0.00	29.30	0.00	11.19	1.19	0.74
E1	37.22	0.03	20.25	0.00	28.60	0.00	12.02	1.16	0.69
E1	37.05	0.04	20.23	0.00	28.96	0.00	11.56	1.12	0.74
E1	36.95	0.00	20.25	0.00	30.20	0.00	10.77	1.29	0.62
E1	36.95	0.00	20.28	0.00	28.63	0.00	11.09	1.28	0.69
E1	37.05	0.01	20.46	0.00	29.05	0.00	11.88	1.08	0.70
E1	36.78	0.01	19.99	0.00	29.77	0.00	11.47	1.18	0.75
E1	36.74	0.02	20.19	0.00	29.64	0.00	11.20	1.24	0.71
E1	36.85	0.00	20.16	0.00	29.74	0.00	10.63	1.16	0.68
E1	36.98	0.02	20.26	0.00	29.75	0.00	11.14	1.06	0.63
E1	37.11	0.04	20.30	0.00	29.71	0.00	10.47	1.22	0.67
E1	37.10	0.03	20.14	0.00	30.20	0.00	10.64	1.17	0.63
E1	37.11	0.03	20.26	0.00	30.21	0.00	10.81	1.09	0.68
E1	36.87	0.00	20.39	0.00	29.77	0.00	10.51	1.13	0.74
E1	37.22	0.03	20.40	0.00	29.30	0.00	11.14	1.25	0.68
E1	36.94	0.00	19.94	0.00	27.26	0.00	13.12	1.10	0.57
E1	36.75	0.01	20.04	0.00	28.90	0.00	12.28	1.13	0.57
E1	37.09	0.05	20.37	0.00	29.61	0.00	10.90	1.21	0.73
E1	37.24	0.03	20.24	0.00	29.16	0.00	11.77	1.15	0.63
E1	37.22	0.03	20.40	0.00	29.30	0.00	11.14	1.25	0.68
E1	37.09	0.05	20.37	0.00	29.61	0.00	10.90	1.21	0.73
E1	36.86	0.02	20.35	0.00	30.07	0.00	10.63	1.20	0.65
E1	36.76	0.01	20.13	0.00	29.28	0.00	11.21	1.22	0.80
E1	36.60	0.00	20.02	0.00	28.34	0.00	12.46	1.15	0.67
E1	36.99	0.05	20.26	0.00	27.06	0.00	14.03	0.70	0.73
E1	36.64	0.14	20.10	0.00	27.67	0.00	13.62	0.91	0.78
E1	36.64	0.07	20.44	0.00	27.31	0.00	13.78	0.72	0.64
E1	36.78	0.10	20.19	0.00	28.01	0.00	10.98	1.07	2.06
E1	36.99	0.10	19.89	0.00	29.09	0.00	10.05	1.16	2.16
E1	36.44	0.17	19.44	0.00	29.41	0.00	10.26	1.14	1.75
E1	36.61	0.12	19.51	0.00	29.73	0.00	10.15	1.12	1.72
E1	36.69	0.11	19.56	0.00	29.62	0.00	10.14	1.17	1.73
E1	36.99	0.07	19.81	0.00	28.99	0.00	11.24	0.99	1.84
E1	36.77	0.07	19.62	0.00	29.50	0.00	10.24	1.11	1.75
E1	36.91	0.05	19.81	0.00	29.21	0.00	10.52	1.07	1.87
E1	36.61	0.12	19.51	0.00	29.73	0.00	10.25	1.12	1.72
E1	36.87	0.04	20.05	0.00	27.59	0.00	14.05	0.76	0.71
E1	36.78	0.06	19.93	0.00	27.98	0.00	12.90	0.87	0.79
E1	36.69	0.06	19.95	0.00	27.57	0.00	13.20	0.89	0.70
E1	36.81	0.15	19.76	0.00	29.52	0.00	10.37	1.15	1.85
E1	36.52	0.08	19.90	0.00	27.91	0.00	13.50	0.68	0.78

E1	36.39	0.04	20.07	0.00	27.98	0.00	13.84	0.53	0.65
E1	36.72	0.12	20.07	0.00	28.31	0.00	13.89	0.67	0.70
E1	36.65	0.10	20.36	0.00	28.02	0.00	13.56	0.73	0.30
E1	36.91	0.04	20.24	0.00	27.54	0.00	13.93	0.57	0.63
E1	36.49	0.03	20.10	0.00	27.50	0.00	14.20	0.59	0.64
E1	36.77	0.07	20.04	0.00	27.97	0.00	13.63	0.60	0.67
E1	36.72	0.07	20.03	0.00	27.79	0.00	13.66	0.62	0.71
E1	36.67	0.06	20.03	0.00	27.60	0.00	13.70	0.63	0.76
E1	36.62	0.07	20.02	0.00	27.48	0.00	13.66	0.62	0.78
E1	36.58	0.08	20.01	0.00	27.36	0.00	13.62	0.60	0.80
E1	36.59	0.04	19.94	0.00	27.57	0.00	13.68	0.61	0.75
E1	36.63	0.04	20.00	0.00	27.71	0.00	13.61	0.61	0.73
E1	36.67	0.05	20.06	0.00	27.84	0.00	13.55	0.61	0.72
E1	36.75	0.06	20.19	0.00	28.10	0.00	13.41	0.61	0.69
E1	36.82	0.06	20.14	0.00	27.95	0.00	13.67	0.60	0.69
E1	36.90	0.07	20.09	0.00	27.79	0.00	13.92	0.59	0.69
E1	36.80	0.04	20.09	0.00	27.64	0.00	14.15	0.60	0.68
E1	36.71	0.03	20.19	0.00	27.51	0.00	14.21	0.56	0.75
E1	36.87	0.00	20.29	0.00	27.39	0.00	14.26	0.54	0.75
E1	36.90	0.00	20.27	0.00	27.26	0.00	14.32	0.53	0.75
E1	36.94	0.01	20.25	0.00	27.13	0.00	14.37	0.52	0.75
E1	36.87	0.03	20.22	0.00	27.43	0.00	14.39	0.57	0.73
E1	36.76	0.06	19.99	0.00	27.26	0.00	14.26	0.63	0.64
E1	36.79	0.07	19.87	0.00	27.24	0.00	14.28	0.65	0.76
E1	36.57	0.09	19.94	0.00	26.78	0.00	13.91	0.67	0.77
E1	36.63	0.11	20.15	0.00	27.30	0.00	14.50	0.68	0.75
E1	36.62	0.23	20.04	0.00	27.11	0.00	14.23	0.71	0.77
E1	36.62	0.23	20.04	0.00	27.11	0.00	14.23	0.71	0.77
E1	36.37	0.32	19.99	0.00	26.63	0.00	14.46	0.71	0.76
E1	36.61	0.12	19.92	0.00	26.92	0.00	13.96	0.73	0.85
E1	36.53	0.08	20.06	0.00	26.65	0.00	14.17	0.78	0.86
E1	36.46	0.10	19.96	0.00	26.55	0.00	14.20	0.74	0.86
E1	36.83	0.10	19.82	0.00	26.66	0.00	14.27	0.68	0.84
E1	36.46	0.05	20.02	0.00	26.90	0.00	14.24	0.69	0.88
E1	36.46	0.05	20.02	0.00	26.90	0.00	14.24	0.69	0.88
E1	36.90	0.08	19.98	0.00	26.88	0.00	14.62	0.70	0.82
E1	36.90	0.08	19.98	0.00	26.88	0.00	14.62	0.70	0.82
E1	36.68	0.02	20.09	0.00	26.52	0.00	14.43	0.64	0.76
E1	36.26	0.13	19.86	0.00	27.05	0.00	14.45	0.61	0.72
E1	36.26	0.13	19.86	0.00	27.05	0.00	14.45	0.61	0.72
E1	36.46	0.05	19.85	0.00	26.88	0.00	14.45	0.60	0.71
E1	36.49	0.07	19.99	0.00	28.93	0.00	11.99	0.82	0.91
E1	36.78	0.04	19.94	0.00	27.20	0.00	13.61	0.67	0.76
E1	36.53	0.05	19.93	0.00	28.19	0.00	12.00	0.91	0.89
E1	36.44	0.09	19.86	0.00	28.33	0.00	12.63	0.74	1.04
E1	36.35	0.04	19.79	0.00	28.47	0.00	12.15	0.77	0.91
E1	36.61	0.03	19.79	0.00	28.40	0.00	12.56	0.80	0.85
E1	36.16	0.16	19.74	0.00	26.72	0.00	13.97	0.92	0.91
E1	36.10	0.02	19.91	0.00	27.65	0.00	12.88	0.86	0.92
E1	36.36	0.21	19.76	0.00	28.02	0.00	12.56	0.82	0.84

E1	36.42	0.08	19.81	0.00	27.66	0.00	12.38	0.86	1.12
E1	36.24	0.07	19.86	0.00	28.16	0.00	12.98	0.69	1.01
E1	36.17	0.03	19.79	0.00	27.60	0.00	12.39	0.88	1.04
E1	36.77	0.06	20.08	0.00	28.10	0.00	13.06	0.76	0.83
E1	36.63	0.16	19.69	0.00	28.50	0.00	13.05	0.69	0.95
E1	36.82	0.09	19.90	0.00	27.99	0.00	13.19	0.68	0.91
E1	36.72	0.13	19.79	0.00	28.24	0.00	13.12	0.68	0.93
E1	36.66	0.05	19.85	0.00	28.20	0.00	13.93	0.60	0.89
E1	36.50	0.19	20.12	0.00	28.07	0.00	12.91	0.77	0.95
E1	36.66	0.08	19.91	0.00	28.36	0.00	12.32	0.87	0.90
E1	36.79	0.00	20.02	0.00	28.15	0.00	12.23	0.86	0.86
E1	36.62	0.09	20.06	0.00	28.17	0.00	12.52	0.91	0.87
E1	36.95	0.02	20.18	0.00	26.96	0.00	13.75	0.55	0.42
E1	36.54	0.11	19.84	0.00	27.34	0.00	13.26	0.79	0.98
E1	36.58	0.17	19.92	0.00	26.77	0.00	13.55	0.99	0.93
E1	36.91	0.05	20.20	0.00	27.85	0.00	13.00	0.81	0.81
E1	36.69	0.02	20.07	0.00	28.08	0.00	13.05	0.73	0.89
E1	36.58	0.13	20.61	0.00	27.54	0.00	12.94	0.90	0.80
E1	36.55	0.09	19.99	0.00	27.07	0.00	13.20	0.90	0.99
E1	36.68	0.14	19.84	0.00	28.35	0.00	12.54	0.81	0.92
E1	36.73	0.00	19.97	0.00	27.24	0.00	12.22	0.92	2.04
E1	36.55	0.09	19.87	0.00	28.07	0.00	12.95	0.89	1.12
E1	36.41	0.16	19.82	0.00	28.10	0.00	12.95	0.83	0.97
E1	36.83	0.03	19.94	0.00	27.61	0.00	12.71	0.91	1.63
E1	36.78	0.07	20.19	0.00	27.28	0.00	12.03	0.92	2.18
E1	36.76	0.05	19.89	0.00	27.69	0.00	12.08	0.81	2.01
E1	36.56	0.12	19.81	0.00	27.40	0.00	13.51	0.69	0.91
E1	37.00	0.10	20.03	0.00	28.61	0.00	12.51	0.79	1.25
E1	36.48	0.11	20.00	0.00	27.82	0.00	12.29	0.83	1.41
E1	37.00	0.03	20.15	0.00	26.97	0.00	13.95	0.67	0.87
E1	36.04	0.12	19.46	0.00	27.77	0.00	13.21	0.88	0.94
E1	36.89	0.05	20.08	0.00	27.24	0.00	13.01	0.90	1.00
E1	36.55	0.04	20.00	0.00	28.37	0.00	13.17	0.74	0.85
E1	36.19	0.11	19.66	0.00	28.05	0.00	12.85	0.90	0.81
E1	36.23	0.22	19.55	0.00	28.33	0.00	13.17	0.90	0.87
E1	36.63	0.10	20.02	0.00	27.91	0.00	13.06	0.84	1.03
E1	36.38	0.03	19.51	0.00	28.21	0.00	12.62	0.95	0.81
E1	37.07	0.07	20.12	0.00	28.50	0.00	11.37	1.17	1.18
E1	37.20	0.02	20.09	0.00	29.06	0.00	10.78	1.21	1.49
E1	36.85	0.04	20.01	0.00	28.35	0.00	11.00	1.15	1.36
E1	37.05	0.00	20.15	0.00	29.11	0.00	10.80	1.19	1.20
E1	37.08	0.01	20.37	0.00	29.58	0.00	11.04	1.21	1.11
E1	36.74	0.04	20.34	0.00	29.26	0.00	10.95	1.23	1.06
E1	36.93	0.08	20.27	0.00	28.42	0.00	11.78	1.12	1.06
E1	36.62	0.04	20.27	0.00	28.27	0.00	12.18	1.02	1.17
E1	36.71	0.03	20.22	0.00	28.88	0.00	10.91	1.19	1.41
E1	37.21	0.00	20.32	0.00	29.48	0.00	10.89	1.26	1.16
E1	36.70	0.04	20.23	0.00	29.08	0.00	10.78	1.23	1.82
E1	36.93	0.03	20.19	0.00	29.46	0.00	10.71	1.25	1.14
E1	37.04	0.05	20.06	0.00	28.87	0.00	10.73	1.25	1.61

E1	37.35	0.01	20.20	0.00	28.39	0.00	11.15	1.12	1.19
E1	37.02	0.05	20.18	0.00	29.09	0.00	10.97	1.23	1.52
E1	37.25	0.02	20.50	0.00	29.38	0.00	11.11	1.22	1.11
E1	36.70	0.02	20.13	0.00	29.08	0.00	10.83	1.21	1.56
E1	36.90	0.04	20.32	0.00	28.95	0.00	10.81	1.25	1.05
E1	36.71	0.03	20.32	0.00	28.60	0.00	10.74	1.24	1.61
E1	37.03	0.05	20.15	0.00	29.13	0.00	10.93	1.28	1.31
E1	36.95	0.01	20.16	0.00	28.97	0.00	10.84	1.20	1.45
E1	36.87	0.04	20.19	0.00	29.00	0.00	10.92	1.24	1.36
E1	36.67	0.10	20.20	0.00	28.21	0.00	11.96	1.02	1.30
E1	36.20	0.02	19.88	0.00	29.32	0.00	10.38	1.28	1.16
E1	36.86	0.00	20.16	0.00	27.92	0.00	12.02	1.00	1.08
E1	36.67	0.01	19.97	0.00	29.01	0.00	10.96	1.24	1.11
E1	36.53	0.79	19.96	0.00	28.26	0.00	10.95	1.17	1.13
E1	37.06	0.01	20.23	0.00	29.32	0.00	11.37	1.16	1.08
E1	37.13	0.05	20.28	0.00	29.19	0.00	11.32	1.21	1.07
E1	36.76	0.02	20.10	0.00	29.11	0.00	11.30	1.21	1.02
E1	36.76	0.02	20.10	0.00	29.11	0.00	11.30	1.21	1.02
E1	35.84	0.02	20.19	0.00	28.62	0.00	11.99	1.01	1.11
E1	37.04	0.04	20.11	0.00	29.30	0.00	10.53	1.19	1.18
E1	37.09	0.08	20.77	0.00	23.21	0.00	17.38	0.65	0.68
E1	37.29	0.04	20.96	0.00	26.41	0.00	14.47	0.71	0.50
E1	37.01	0.05	21.21	0.00	23.74	0.00	16.81	0.38	0.46
E2	39.96	0.16	22.19		19.18		0.52	11.09	7.17
E2	39.64	0.47	22.18		18.25		0.77	10.81	7.71
E2	39.27	0.67	21.70		19.65		0.63	9.38	8.36
E2	39.20	0.62	21.81		20.04		0.59	9.32	8.05
E2	39.45	1.02	21.42		19.64		0.82	9.06	8.25
E2	39.87	0.54	21.97		19.98		0.79	9.35	8.14
E2	39.63	0.76	22.00		20.09		0.87	9.88	7.77
E2	39.80	0.78	21.74		19.75		0.72	9.48	8.29
E2	39.42	0.82	21.47		19.89		0.60	9.11	8.18
E2	39.53	0.69	21.81		19.75		0.72	9.89	7.86
E2	39.45	0.76	21.69		19.52		0.63	9.54	8.41
E2	39.92	0.47	22.10		18.57		0.70	10.50	7.83
E2	39.66	0.55	22.32		18.80		0.67	10.18	7.88
E2	40.16	0.44	22.27		17.98		0.62	11.21	7.38
E2	40.35	0.41	22.25		18.67		0.62	11.09	7.30
E2	40.31	0.26	22.39		19.08		0.65	10.98	6.95
E2	39.79	0.36	22.25		20.51		0.73	8.84	8.02
E2	39.60	0.55	22.10		19.64		0.66	9.71	8.15
E2	38.81	0.94	21.43		20.81		0.86	7.43	9.22
E2	39.19	0.93	21.65		20.67		0.81	8.52	8.09
E2	39.09	0.68	21.52		20.49		0.98	7.95	8.69
E2	39.18	0.68	21.68		20.18		0.79	8.59	8.95
E2	39.01	0.77	21.51		20.18		0.85	8.06	9.07
E2	39.34	0.79	21.85		19.22		0.78	9.42	8.65
E2	39.63	0.54	21.89		19.72		0.68	9.56	7.73
E2	39.86	0.30	21.96		20.46		0.85	8.65	7.89
E2	37.26	0.53	20.64		29.87		1.65	3.45	6.52

E2	38.36	0.22	21.28		28.72		1.54	4.70	5.85
E2	37.85	0.62	20.55		29.77	0.60	2.55	2.51	6.24
E2	38.48	0.30	21.46		28.14	0.04	1.57	4.33	6.33
E2	38.33	0.10	21.65		28.20		2.44	4.02	5.89
E2	37.91	0.19	21.32		29.29	0.06	2.19	3.46	6.03
E2	37.86	0.46	21.20		27.82		2.25	2.87	7.78
E2	38.13	0.51	21.28	0.04	27.80		1.76	3.17	7.80
E2	38.36	0.20	21.46	0.01	29.35		2.22	3.34	5.95
E2	38.32	0.29	21.03		27.74	0.40	1.78	4.22	6.16
E2	38.17	0.27	21.18		27.16	0.30	1.48	4.25	7.14
E2	38.14	0.29	21.03		27.87	0.27	1.79	3.99	6.16
E2	38.02	0.41	21.03		28.00	0.17	1.51	3.69	6.92
E2	38.10	0.32	21.09		28.75	0.08	1.82	3.72	5.83
E2	37.79	0.28	21.18		29.08	0.14	1.98	4.28	5.27
E2	38.40	0.22	21.76		27.55	0.00	1.69	4.05	7.32
E2	38.33	0.35	21.19		28.04	0.21	1.78	3.62	6.87
E2	37.98	0.10	21.35		27.05	0.15	2.96	3.51	7.05
E2	38.45	0.79	21.13		25.49	0.19	1.13	3.14	10.74
E2	37.86	0.16	21.43		28.93		1.80	3.62	6.34
E2	37.95	0.16	21.28		29.31	0.17	1.99	3.63	5.89
E2	37.95	0.58	21.57		26.25		0.40	2.66	11.25
E2	38.64	0.56	21.29		25.68	0.12	0.47	2.65	11.41
E2	38.26	0.19	21.53		28.62		1.61	3.77	6.40
E2	38.61	0.26	21.56		27.20		1.80	4.20	6.99
E2	38.99	0.25	21.98		26.71		1.39	4.50	7.31
E2	38.44	0.24	21.70		28.74		1.85	3.81	5.97
E2	38.02	0.16	22.02		28.11		1.89	4.27	6.23
E2	37.30	0.08	21.57		27.95		1.65	4.13	6.56
E2	38.20	0.23	21.71		28.65		1.63	4.13	6.20
E2	37.60	0.20	21.76	0.04	28.70		1.76	3.67	6.41
E2	38.15	0.18	21.60		28.70		1.81	4.28	6.01
E2	37.64	0.45	21.56		28.62		1.76	3.20	7.50
E2	37.98	0.19	21.55		28.77		1.60	3.82	6.48
E2	37.79	0.20	21.70		27.85		1.77	4.07	6.67
E2	38.14	0.34	21.88		28.79		1.71	3.76	6.33
E2	37.67	0.17	22.04	0.02	27.61		2.36	3.94	6.96
E2	37.87	0.00	21.78		29.11		1.73	3.73	6.21
E2	38.41	0.19	21.89		27.06		2.37	3.99	7.21
E2	38.15	0.00	21.85	0.02	28.31		1.74	4.21	6.45
E2	38.10	0.12	22.07		27.93		2.09	3.86	7.06
E2	38.06	0.16	21.86	0.02	28.16		2.23	3.71	6.72
E2	38.11	0.18	21.77		29.19		2.01	3.75	5.85
E2	37.88	0.25	21.84		28.72		1.70	3.80	6.55
E2	38.03	0.21	21.79	0.01	28.12		2.30	4.06	6.55
E2	37.64	0.23	21.72		28.62		1.69	3.73	6.69
E2	37.31	0.08	21.55		29.80		2.46	3.20	5.99
E2	36.80	0.71	21.02		29.56		1.99	2.18	7.98
E2	38.21	0.19	21.91		27.27		1.47	4.26	7.69
E3	36.74	0.18	20.25		32.60		1.81	2.40	5.33
E3	37.09	0.25	20.68		32.92		1.65	2.29	5.17

E3	37.17	0.30	20.67		32.06		2.09	3.37	4.69
E3	37.01	0.24	20.43		32.21		1.92	3.21	4.87
E3	37.21	0.35	20.92		31.99		2.32	3.33	4.66
E3	37.37	0.31	21.10		31.84		1.82	3.35	4.86
E3	37.57	0.36	21.11		32.15		2.43	3.18	4.69
E3	37.78	0.19	21.26		32.67		2.20	2.97	4.34
E3	37.71	0.34	20.98		28.54		0.90	4.10	6.92
E3	37.89	0.41	21.35		28.05		0.80	4.75	7.33
E3	37.60	0.48	21.01		29.78		1.06	4.05	7.06
E3	37.87	0.42	21.05		29.23		0.69	4.70	6.89
E3	37.41	0.24	20.87		29.78		1.87	3.77	6.18
E3	37.74	0.33	20.93		29.21		0.83	4.74	6.58
E3	38.26	0.40	21.58		27.92		1.14	5.54	6.22
E3	38.28	0.47	21.65		26.44		1.01	6.12	6.37
E3	37.72	0.87	20.19	0.19	29.77		2.11	3.34	5.72
E3	38.63	0.80	20.78	0.23	26.43		1.59	5.91	6.13
E3	38.06	0.88	20.64	0.19	29.75		2.99	3.28	5.42
E3	38.16	0.84	21.05	0.08	29.26		1.93	3.91	5.15
E3	37.42	1.03	20.04	0.16	30.27		2.00	2.88	5.73
E3	37.59	0.89	20.54	0.00	30.76		2.62	2.92	5.06
E3	37.12	0.74	20.60	0.00	27.69		2.44	3.87	5.74
E3	38.25	0.68	20.82	0.00	29.16		1.55	4.95	5.24
E3	38.09	0.45	21.00	0.04	28.14		1.67	5.34	5.24
E3	37.77	0.45	20.96	0.00	32.55		1.86	2.58	5.16
E3	38.05	0.84	21.01	0.00	29.39		1.66	3.98	6.30
E3	37.91	0.57	21.04	0.00	30.70		1.51	3.39	5.63
E3	38.16	0.67	21.00	0.00	28.36		1.81	4.23	6.48
E3	38.10	0.64	20.97	0.40	30.33		1.90	3.85	5.17
E3	38.29	0.35	21.32	0.00	28.58		1.16	4.97	5.63
E3	38.12	0.72	21.02	0.00	29.53		2.00	4.44	4.84
E3	38.41	0.59	21.26	0.00	27.89		1.59	5.05	5.91
E3	38.31	0.39	21.28	0.00	28.97		1.65	4.19	6.02
E3	38.11	0.56	21.09	0.11	26.20		1.57	5.77	5.73
E3	38.17	0.48	21.13	0.00	28.36		2.08	4.77	5.40
E3	37.76	0.43	20.83	0.08	28.75		1.94	4.12	5.85
E3	38.92	0.07	21.93	0.15	28.77		1.16	7.17	2.43
E3	38.04	0.17	20.86	0.05	30.04		6.17	3.92	1.36
E3	38.84	0.21	21.53	0.13	29.25		0.25	8.22	1.83
E3	37.64	0.02	21.44	0.05	26.26		6.31	1.49	7.23
E3	38.80	0.00	22.16	0.00	28.63		0.24	8.47	1.60
E3	38.22	0.00	21.79	0.00	30.05		3.52	4.99	2.02
E3	38.16	0.00	21.62	0.00	26.97		4.79	3.86	5.03
E3	38.83	0.00	22.37	0.13	30.45		0.55	7.52	1.30
E3	37.58	0.30	21.05	0.00	30.38		1.70	3.44	5.18
E3	37.77	0.54	21.25	0.10	30.23		2.28	2.87	5.31
E3	37.92	0.46	20.99	0.19	30.79		2.26	3.05	4.96
E3	37.70	0.58	20.96	0.10	29.87		1.30	3.83	5.57
E3	37.69	0.41	21.16	0.04	29.92		1.06	3.80	5.62
E3	37.91	0.37	21.37	0.00	30.26		1.15	3.89	5.54
E3	37.92	0.41	21.26	0.00	30.56		1.73	3.36	5.65

E3	38.32	0.43	21.29	0.03	31.08		0.66	3.86	5.56
E3	38.15	0.47	21.15	0.00	30.06		0.75	3.89	5.77
E3	37.64	0.35	20.87	0.00	29.54		0.55	4.28	5.91
E3	37.36	0.29	20.44	0.00	33.06		2.00	1.83	5.82
E3	37.08	0.21	20.92	0.00	33.77		0.78	1.51	5.22
E3	37.51	0.32	21.05	0.05	37.07		1.34	3.02	3.51
E3	37.49	0.36	20.95	0.00	34.50		1.43	3.12	3.26
E3	37.28	0.47	21.07	0.00	34.35		1.23	3.13	3.05
E3	36.68	0.74	20.35	0.00	32.85		1.98	1.82	5.66
E3	37.32	0.27	20.92	0.01	33.95		1.26	3.10	3.30
E3	36.90	0.36	20.61	0.00	33.70		1.25	3.18	3.29
E3	37.10	0.51	20.83	0.00	34.74		1.24	2.75	3.77
E3	37.28	0.47	20.75	0.00	37.43		1.65	2.28	4.15
E3	37.81	0.43	21.33	0.00	34.05		1.23	2.99	3.74
E3	36.70	0.07	20.76		35.42		1.42	0.98	5.02
E3	36.60	0.21	20.46		35.17		1.27	1.08	4.98
E3	36.26	0.27	20.54		39.02		0.26	1.22	2.46
E3	36.61	0.22	20.69		38.26		0.71	1.74	1.91
E4	37.30	0.54	20.33		31.52		2.00	3.20	6.50
E4	38.02	0.32	21.23		30.99		1.57	4.74	5.64
E4	37.49	0.23	20.95		28.79		3.89	3.27	5.39
E4	37.45	0.09	20.98		29.53		3.80	3.44	4.58
E4	37.12	0.31	21.16		31.27		1.85	3.41	4.92
E4	37.31	0.26	20.71		29.31		3.94	3.10	5.34
E4	37.14	0.33	21.01		28.74		3.99	3.39	5.25
E4	36.91	0.41	20.21		29.52		2.86	3.86	5.24
E4	36.98	0.19	20.14		29.12		2.55	4.63	4.63
E4	37.67	0.42	20.92		30.94		1.74	4.23	5.28
E4	38.10	0.47	21.33		26.53		0.81	5.66	8.12
E4	37.22		20.74		34.84		3.15	1.99	3.37
E4	38.06	0.33	21.65		28.20		0.92	4.28	7.06
E4	38.17	0.27	21.74		28.24		0.92	4.70	6.32
E4	37.32	0.52	20.93		26.32		1.08	5.28	7.57
E4	37.40	0.19	21.02		29.44		2.36	3.44	6.55
E4	37.77	0.18	21.26		29.42		2.46	4.19	5.48
E4	39.49	0.26	22.45		18.87		0.74	12.02	6.76
E4	36.56	0.91	20.80		26.70		1.55	3.97	9.16
E4	37.49	0.93	21.09		26.68		1.07	5.29	7.70
E4	39.33	0.28	22.27		19.48		0.69	11.05	6.87
E4	38.31	0.34	21.85		23.03		1.06	6.96	9.03
E4	38.28	0.20	22.05		23.40		1.24	7.35	8.04
E4	39.90	0.48	22.28		18.97		0.69	11.27	7.20
E4	38.98	0.22	22.33		20.61		0.87	10.36	6.56
E4	37.52	0.13	21.33		32.97		1.75	3.69	2.74
E4	37.41		21.00		33.63		1.40	2.37	4.16
E4	37.66	0.29	21.08		32.38		1.92	2.18	5.80
E4	37.23	0.20	21.07		34.22		2.21	2.84	2.57
E4	38.24		21.47		32.63		1.74	4.46	2.26
E4	32.70	6.77	1.31		2.08	23.30	0.41	0.25	32.50
E4	33.00	7.73	4.44		1.66	18.70	0.40	0.75	32.70

E4	35.90	3.06	9.27		1.40	15.80	0.61	0.50	33.50
E4	35.30	2.46	3.57		2.02	22.70	0.32	0.27	34.10
E4	33.90	4.06	2.55		2.15	24.20	0.96	0.31	32.40
E4	33.40	5.63	2.40		1.99	22.40	0.47	0.12	33.10
E4	34.80	3.46	2.31		2.08	23.40	0.27	0.24	33.40
E4	33.50	4.00	2.10		2.19	24.60	0.84	0.14	32.00
E4	34.90	3.06	5.86		20.50		1.88	0.25	31.20
E4	34.90	3.06	5.86		20.50		1.88	0.25	31.20
E4	34.90	3.06	5.86		20.50		1.88	0.25	31.20
E4	34.70	2.91	5.76		20.50		1.99	0.28	31.40
E4	34.70	2.91	5.76		20.50		1.99	0.28	31.40
E4	34.70	2.91	5.76		20.50		1.99	0.28	31.40
E4	34.70	3.06	5.83		20.50		1.86	0.25	31.50
E4	34.70	3.06	5.83		20.50		1.86	0.25	31.50
E4	34.70	3.06	5.83		20.50		1.86	0.25	31.50
E4	34.70	3.06	5.83		20.50		1.86	0.25	31.50
E4	34.70	3.06	5.83		20.50		1.86	0.25	31.50
E4	34.70	3.06	5.83		20.50		1.86	0.25	31.50
E4	34.80	2.72	5.81		20.50		1.91	0.24	31.20
E4	34.80	2.72	5.81		20.50		1.91	0.24	31.20
E4	34.80	2.72	5.81		20.50		1.91	0.24	31.20
E4	34.90	2.72	5.86		20.60		1.89	0.24	31.70
E4	34.90	2.72	5.86		20.60		1.89	0.24	31.70
E4	34.90	2.72	5.86		20.60		1.89	0.24	31.70
E4	34.90	2.72	5.86		20.60		1.89	0.24	31.70
E4	35.00	2.74	5.86		20.50		1.99	0.24	31.40
E4	35.00	2.74	5.86		20.50		1.99	0.24	31.40
E4	35.00	2.74	5.86		20.50		1.99	0.24	31.40
E4	35.00	2.88	5.99		20.30		1.95	0.27	31.30
E4	35.00	2.88	5.99		20.30		1.95	0.27	31.30
E4	35.00	2.88	5.99		20.30		1.95	0.27	31.30
E4	35.10	2.75	5.88		20.70		2.01	0.26	31.60
E4	35.10	2.75	5.88		20.70		2.01	0.26	31.60
E4	34.60	2.98	5.69		20.60		1.90	0.27	31.80
E4	34.60	2.98	5.69		20.60		1.90	0.27	31.80
E4	34.60	2.98	5.69		20.60		1.90	0.27	31.80
E4	35.40	1.80	5.83		20.80		1.55	0.12	32.90
E4	35.30	1.81	7.62		19.00		1.74	0.15	32.10
E4	35.30	1.81	7.62		19.00		1.74	0.15	32.10
E4	35.30	1.81	7.62		19.00		1.74	0.15	32.10
E4	35.30	1.81	7.62		19.00		1.74	0.15	32.10
E4	35.40	1.80	5.83		20.80		1.55	0.12	32.90
E4	35.40	1.80	5.83		20.80		1.55	0.12	32.90
E4	35.30	1.81	7.62		19.00		1.74	0.15	32.10
E4	35.60	1.63	6.19		20.30		2.03	0.09	31.70
E4	35.40	2.61	7.25		19.20		1.44	0.26	31.50
E4	35.60	1.63	6.19		20.30		2.03	0.09	31.70
E4	35.40	2.61	7.25		19.20		1.44	0.26	31.50
E4	35.60	1.63	6.19		20.30		2.03	0.09	31.70

E4	35.60	1.63	6.19		20.30		2.03	0.09	31.70
E4	35.60	1.63	6.19		20.30		2.03	0.09	31.70
E4	35.60	1.63	6.19		20.30		2.03	0.09	31.70
E4	35.00	3.83	7.42		18.70		0.88	0.35	32.60
E4	35.40	3.02	8.56		17.20		1.38	0.25	32.30
E4	35.40	3.02	8.56		17.20		1.38	0.25	32.30
E4	35.40	3.02	8.56		17.20		1.38	0.25	32.30
E4	35.50	1.88	7.79		18.80		1.67	0.15	32.20
E4	35.50	1.88	7.79		18.80		1.67	0.15	32.20
E4	35.50	1.88	7.79		18.80		1.67	0.15	32.20
E4	35.60	1.88	7.73		19.00		1.68	0.15	31.60
E4	35.60	1.88	7.73		19.00		1.68	0.15	31.60
E4	40.75	0.32	22.67		18.31		0.61	11.50	6.85
E4	40.85	0.38	22.84		18.30		0.56	11.72	6.76
E4	40.72	0.15	22.65		18.03		0.58	11.85	6.60
E4	40.36	0.41	22.31		18.44		0.67	11.39	7.05
E4	40.36	0.30	22.41		18.27		0.76	11.21	7.26
E4	40.74	0.41	22.35		17.90		0.67	11.13	7.21
E4	40.67	0.59	22.69		17.99		0.78	11.17	7.67
E4	40.44	0.61	22.53		17.79		0.73	11.58	7.35
E4	40.21	0.54	22.30		17.98		0.83	11.07	7.31
E4	40.65	0.42	22.54		18.19		0.73	11.47	7.26
E4	40.24	0.39	22.67		18.15		0.62	11.41	6.92
E4	40.86	0.26	22.69		18.42		0.46	12.01	6.56
E4	40.44	0.22	22.75		18.09		0.50	12.19	6.69
E4	40.84	0.34	22.69		18.14		0.55	11.82	6.59
E4	40.47	0.17	22.76		18.80		0.71	11.67	6.56
E4	38.85	0.01	22.05		26.98		1.51	6.90	4.25
E4	38.84	0.22	21.89		26.24		1.30	6.76	4.64
E4	38.99	0.30	21.39		25.06		1.44	7.11	5.48
E4	38.98	0.18	21.67		24.89		1.64	7.19	5.48
E4	39.07	0.36	22.05		24.69		1.56	7.34	5.90
E4	38.85	0.31	21.68		24.56		1.67	7.28	5.79
E4	39.44	0.31	21.86		24.81		1.74	7.18	6.08
E4	39.10	0.12	21.79		25.19		1.67	7.25	5.42
E4	39.09	0.23	21.71		24.64		1.66	7.29	5.45
E4	39.37	0.16	22.05		25.39		1.38	7.15	5.08
E4	39.05	0.20	22.03		26.36		1.37	7.06	4.35
E4	39.01	0.30	22.13		26.65		1.57	6.66	4.74
E4	38.40	0.37	21.45		25.20		1.33	6.02	6.59
E4	38.16	0.34	21.20		26.27		1.88	5.23	6.23
E4	38.60	0.38	21.37		25.91		1.80	5.60	6.24
E4	38.90	0.21	21.50		24.60		1.68	6.83	6.40
E4	39.36	0.29	22.19		18.53		0.55	10.29	7.84
E4	39.60	0.60	22.01		19.19		0.85	10.15	7.92
E4	39.06	0.65	21.50		19.88		0.84	9.17	8.48
E4	39.80	0.62	21.67		19.18		0.74	9.95	8.04
E4	39.97	0.28	22.06		19.04		0.63	10.45	7.41
E4	39.73	0.28	21.95		17.89		0.48	10.35	8.21
F1	37.60	0.25	20.32		22.14		1.33	0.17	17.52

F1	38.29	0.13	20.24		20.62		1.40	0.19	18.43
F1	36.09	0.00	19.53		25.69		4.36	0.39	11.84
F1	37.83	0.05	21.50		19.75		4.53	0.50	16.16
F1	38.01	0.13	20.60		19.20		2.62	0.13	19.87
F1	36.80	0.05	21.07		33.23		5.75	1.55	1.56
F1	36.73	0.05	21.13		33.77		5.16	1.66	1.51
F1	36.85	0.02	21.14		35.03		3.75	1.73	1.48
F1	36.99	0.07	21.31		30.71		2.98	1.25	6.70
F1	37.31	0.16	20.17		30.20		3.28	0.96	7.92
F1	37.33	0.21	20.25		30.54		2.38	1.05	8.23
F1	37.45	0.12	20.34		32.25		0.90	1.50	7.44
F1	36.91	0.05	20.00		33.44		3.65	1.28	4.68
F1	36.98	0.18	20.17		33.48		3.21	1.35	4.63
F1	36.91	0.06	20.24		36.76		1.07	1.73	3.24
F1	36.02		21.64		32.56		4.19	2.43	3.80
F1	35.79		19.96		33.58		5.17	1.59	5.17
F1	37.01		19.17		27.64		8.01	1.50	4.88
F1	37.03		20.40		29.19		6.57	1.76	4.78
F1	36.71		19.57		31.91		3.58	2.08	4.92
F1	37.95		20.13		33.07		1.66	1.86	5.93
F1	37.08		20.88		33.39		6.94	1.54	2.00
F1	38.48		20.04		30.69		6.30	1.26	5.32
F1	37.59		20.51		31.53		5.58	2.41	2.72
F1	37.16		19.01		28.23		9.20	0.91	5.20
F1	36.70		19.94		30.85		4.80	1.21	7.29
F1	36.00		20.10		32.06		6.92	1.39	2.70
F1	37.14		20.55		34.38		5.20	1.58	2.42
F1	35.38		19.59		31.95		6.86	1.37	3.55
F1	37.52		18.47		30.00		4.01	1.11	8.05
F1	36.79		20.62		28.38		9.38	1.12	3.47
F1	37.35		20.12		33.88		5.67	1.51	2.13
F1	36.47		17.94		33.10		4.71	1.21	5.29