Data Repository DR1: Extended "STRATIGRAPHY AND SEDIMENTOLOGY" section

Middle to Upper Jurassic

In northwestern Montana, an unconformity representing ~150 Myr separates the youngest preserved miogeoclinal rocks of the Mississippian Madison Group from the oldest strata, of Middle to Late Jurassic age, that can be linked to Cordilleran orogenic evolution (Fuentes et al., 2009). These Jurassic deposits are referred to as the Ellis Group and the Morrison Formation. The tectonic setting of these and equivalent deposits farther south in the U.S.A. Cordillera remains controversial, and no consensus exists for possible tectonothermal, dynamic, or flexural mechanisms of subsidence (see DeCelles, 2004 for a discussion).

The Middle-Upper Jurassic Ellis Group is composed of ~80-200 m of marine strata that are divided into the Sawtooth, Rierdon, and Swift Formations. (Figs. 2 and 4). These units are characterized by an irregular distribution, abrupt lateral facies changes, and local internal unconformities (McMannis, 1965; Peterson, 1981; Parcell and Williams, 2005). At a regional scale, the Middle Jurassic deposits thin markedly across a region of paleohighs of the "Belt Island" complex (Suttner et al., 1981) and the Sweetgrass Arch and related structures, and thicken across the Williston basin to the east (Carlson, 1968).

The basal unit, the Sawtooth Formation is 15-50 m thick, and is composed of alternating cross-bedded and ripple-laminated sandstones and laminated mudstones. A basal conglomerate is locally present, consisting of pebble-to-boulder size fragments of Mississippian carbonate and chert (Mudge, 1972). The overlying Rierdon Formation contains mostly gray mudstone, and varies in thickness from ~25 m in the Kevin-

Sunburst dome to ~70 m in the fold-thrust belt (Cobban, 1945). Thin beds of nodular limestone and marl are common and marine fossils are abundant. The Swift Formation is characterized by relatively thick glauconitic and lithic sandstones. The lower part of the Swift Formation consists of shale with subordinate bioturbated sandstone. The upper sandstone beds contain trough cross-bedding, ripples, and abundant trace fossils. Thickness ranges between 20 and 40 m. Local pebble conglomerate beds contain well-rounded fragments of siltstone and limestone.

The Sawtooth Formation was deposited in nearshore marine environments during a regional transgressive event. Restricted marine conditions, with evaporite deposition, have been described in coeval deposits to the east in the Williston basin, and to the south (Carlson, 1968; Parcell and Wiliams, 2005). Transgressive to highstand conditions with dominant offshore deposition are registered in the Rierdon Formation. The Swift Formation marks a highstand/regressive episode, with progradation of shoreface deposits over distal facies of the Rierdon. Rippled fine-grained sandstones and mudstones in the lower part of the Swift possibly represent tidal flat deposits (Porter, 1989).

Reported ages for the Ellis Group range from Bajocian-Bathonian to late Oxfordian- Kimmerdigian time, and the detailed stratigraphy and regional extent of internal unconformities within the unit has been the subject of numerous investigations (e.g. Cobban, 1945; Carlson, 1968; Mudge, 1972; Imlay, 1980; Porter, 1989; Parcell and Williams, 2005). Recent stratigraphic analysis suggests that these unconformities are generally local, and resulted in part from tectonically active basement structures (Parcell and Williams, 2005). Our new detrital zircon and palynology results yield additional constraints for the age of the Ellis Group. A sample collected 0.5 m above the pre-Middle

Jurassic unconformity yielded one zircon grain with an age of 171.1±2.5 Ma (see Isotopic Results and Provenance Interpretations sections and Table DR1), which constrains the maximum depositional age of the Sawtooth Formation as early Bajocian (± error). The youngest age obtained from the detrital zircons of a Swift Formation sample was 157.1±6 Ma (mid-Oxfordian ± error). Palynology from three Morrison Formation samples discussed below constrain the minimum possible depositional age of the Swift as Oxfordian. These data, together with the previously reported paleontological ages, indicate a Bajocian-mid Oxfordian age for the Ellis Group in northwestern Montana.

At a regional scale, the Ellis Group correlates with the upper part of the Fernie Formation of southwestern Alberta and southeastern British Columbia (Poulton et al., 1994), and the Gypsum Spring and Sundance Formations of northern Wyoming (Parcell and Williams, 2005).

Marine environments were replaced by fluvial and lacustrine environments during Late Jurassic deposition of the Morrison Formation. In northwestern Montana this unit consists of ~60 to 80 m of fine-grained clastic strata (Fig. 4). Its lower limit is defined by the appearance of heterolithic facies above the sandstones of the Swift Formation. Whether or not the basal contact of the Morrison represents an unconformity has been debated (Suttner, 1969; Pipiringos and O'Sullivan, 1978; Peterson, 1981; Porter, 1989; Gillespie and Heller, 1995). This issue was clarified by Demko et al. (2004) who indicated that the base of the formation is marked by the J-5 unconformity in the southern part of the Morrison depositional basin, but this contact becomes conformable from northern Utah and Colorado northward. The Morrison's upper limit is marked by a

regional unconformity separating it from the Kootenai Formation or equivalent units (Mudge, 1972; DeCelles, 1986, 2004; Dolson and Piombino, 1994; Currie, 1998).

In northwestern Montana the basal few meters of the Morrison Formation are characterized by grey shale and fine-grained sandstone arranged in heterolithic sedimentary structures. This interval is followed by ~35 m of siltstone, with subordinate fine-grained, cross-bedded sandstone, and beds of limestone and marl, locally with bivalve fossils and plant material. These deposits are, in turn, overlain by ~30 m of dominantly grayish-green and purple siltstone, and minor sandstone and marl, showing pervasive pedogenesis towards the top.

The lower part of the Morrison probably represents a tide-dominated marginal marine environment. Estuarine conditions are inferred from the heterolithic sedimentary structures and from new palynology analysis of three samples whose associations indicate estuarine or deltaic environments (Table 1). Other areas of the northern part of the Morrison depositional basin (Dinosaur National Monument, northern Colorado Front Range) show additional evidence of marine influence (Demko et al., 2004). Most of the unit in northern Montana, however, represents low energy fluvial and local shallow lacustrine environments; the latter with freshwater limestone deposition (Peterson, 1981). The upper Morrison paleosol complex is incompletely preserved owing to extensive erosional truncation beneath Cretaceous fluvial deposits. This zone of multiple red and grey paleosol horizons is mostly developed over silty overbank facies, contains carbonate nodules, multicolor mottles, and calcareous and locally iron-oxide and hydroxide cements.

The Morrison Formation has been sparsely dated in northwestern Montana. Palynological analyses from our measured section yielded Oxfordian to Kimmeridgian ages (Table 1, Fig. 4). The youngest detrital zircons from a sandstone bed in the middle part of the unit yielded middle to late Oxfordian ages. These new data constrain the age of the Morrison as latest Oxfordian to Kimmeridgian in the region, in general agreement with previous work in Utah, Wyoming and Colorado (Litwin et al., 1998; Kowallis et al., 1998; Turner and Peterson, 2004).

In southwestern Canada, upper Jurassic rocks considered equivalent to the Morrison Formation include most of the Passage Beds at the top of the Fernie Formation, and the Morrisey and lower part of the Mist Mountain Formations, included in the Kootenay Group (Poulton et al., 1994; Gillespie and Heller, 1995; Turner and Peterson, 2004).

Lower Cretaceous

A regional unconformity, representing more than 20 Myr, cuts into the Morrison and, locally, Ellis Group deposits, and separates the Jurassic from the Lower Cretaceous succession. The oldest Cretaceous sedimentary rocks in Montana consist of ~50-400 m of conglomerate, sandstone and siltstone of the Kootenai Formation. This unit is overlain by the Blackleaf Formation of the Colorado Group, which records the first episode of Cretaceous major marine transgression along the Western Interior basin during the late Albian. Early Cretaceous-age strata in northwestern Montana are the first unequivocally synorogenic foredeep deposits related to Cordilleran tectonics (Suttner, 1969; DeCelles, 1986; Schwartz and DeCelles, 1988).

Throughout western Montana, the base of the Kootenai Formation is conspicuously defined by a several-meter-thick, coarse-grained to conglomeratic, trough cross-bedded sandstone characterized by abundant chert grains (Fig. 4). Equivalent deposits have a widespread distribution along the Cordilleran foreland basin, including the Cadomin Formation of Canada, and a number of lithostratigraphic units along the U.S.A. (Heller and Paola, 1989; Miall et al., 2008). These deposits are overlain by a succession of variegated siltstone, cross-bedded and rippled sandstone, and relatively thick limestone beds containing ostracodes, charophytes and gastropods. The upper Kootenai is composed mainly of red, green and purple siltstone, cross-bedded sandstone, and tuffaceous beds. A thin, gastropod-bearing limestone is commonly present at or near the top of the formation (Cobban, 1955; McMannis, 1965; Suttner et al., 1981).

Depositional environments of the Kootenai Formation were dominantly fluvial, with extensive mud-dominated overbank environments containing calcic paleosols. The basal coarse-grained facies was deposited by shallow, braided-streams. Relatively long-lived lacustrine systems allowed deposition of limestones at times of lower clastic influx. Local black shales are interpreted as lacustrine in origin based on palynomorph assemblages and absence of marine fossils (Mudge and Rice, 1982; Dolson and Piombino, 1994). Influx of siliceous volcanic ash, reworked by fluvial systems, was an important contributor to the net sedimentation. Paleocurrent data from fluvial channel deposits show consistently eastward transport (Fig. 4).

The age of the Kootenai Formation and correlative deposits is poorly constrained (Cobban, 1955; DeCelles, 1986; Heller and Paola, 1989; Gillespie and Heller, 1995). Sparse pollen and fossil ages have yielded mostly Aptian to Albian ages in mudstones

above the basal coarse beds to the south. No direct dates have been obtained for the lower coarse section prior to this work. Four new palynology samples and new detrital zircon data constrain its age to be late Barremian(?)-early Albian. In particular a detrital zircon sample from the basal conglomeratic sandstone yielded two grains with Hauterivian ages (131.6±4.5 and 133.5±1.8 Ma), providing a maximum possible age for this interval. These data conflict with recent suggestions by Roca and Nadon (2007) for continuous deposition between the Morrison Formation and the overlying conglomeratic beds, and the proposition that the K-1 unconformity is higher in the section. A detrital zircon sample from the upper part of the Kootenai yielded a population of euhedral crystals that yielded early Albian ages, possibly reflecting syn-depositional volcanism. In northern Utah, the basal Kelvin Formation, which is lithostratigraphically correlated with the Kootenai Formation, yielded a youngest detrital zircon U-Pb age cluster of ~120 Ma (P. G. DeCelles, unpublished data). Thus, the unconformity at the base of the Kootenai Formation and its equivalents farther south can be attributed to the time interval between late Tithonian and Hauterivian or (in Utah) early Aptian.

The Blackleaf Formation is divided into four members: the Flood Shale, Taft Hill, Vaughn, and Bootlegger Members (Mudge, 1972; Dyman et al, 1996). The Bootlegger Member thins toward the west, where it is replaced by Vaughn Member facies. In outcrops, the Blackleaf thickness ranges from ~200 m in the east to ~500 m in the west.

The Flood Shale Member is composed of ~50 to 60 m of marine black shale capped by rippled and trough cross-bedded sandstone (Fig. 4). A stacking of upward-coarsening, several meter-thick, deposits of shale and cross-bedded and rippled sandstone represents the overlying Taft Hill Member. The Vaughn Member consists of nonmarine

beds of mudstone, cross-bedded sandstone and local conglomeratic channel fills that represent fluvial and alluvial plain deposits. Conglomerates in the Vaughn Member contain clasts of quartzite, chert, quartz, silicified carbonate, rhyolite and dacite.

In Montana the Blackleaf Formation has been dated as late Albian-early Cenomanian (Cobban and Kennedy, 1989), which implies that the Early-Late Cretaceous boundary is contained in this unit. The mean age of the eight youngest detrital zircons from a sample of the Vaughan Member is ~97 Ma, which is consistent with the previously reported paleontological ages.

Upper Cretaceous

A second widespread marine transgression affected the foreland basin during the early Late Cretaceous (Porter et al., 1982; Stott, 1984). In northwestern Montana late Cenomanian to early Santonian black shales reach a thickness of more than 350 m (Schmidt, 1978; Yang and Miall, 2009). These deposits are referred to as the Marias River Shale. This unit and the Blackleaf Formation are formally included in the Colorado Group (Cobban at al., 1959; Mudge, 1972). The Marias River Shale correlates with the Frontier Formation of southwestern Montana (Dyman et al., 1996), and with the Blackstone, Cardium and Wapiabi Formations of southern Alberta (Yang and Miall, 2009). The Marias River Shale is dominated by dark gray shale in its lower part, with an increase in sandstone content towards the top (Fig. 4). Thin bentonite beds occur in the unit.

The Santonian is characterized by a regressive character in the sedimentation pattern, which continues into the Campanian. In northwestern Montana, two related units

are included in the Santonian-lower Campanian interval: the Telegraph Creek Formation and the Virgelle Sandstone. The Telegraph Creek consists of ~90 to 170 m of mudstone and siltstone with sandstone intercalations. Ripples, trough cross-stratification, hummocky stratification, and burrows are abundant (Fig. 4). Facies and abundant body and trace fossils indicate nearshore marine and estuarine conditions. The Virgelle Sandstone is 40 to 60 m-thick and is composed almost entirely of trough cross-stratified sandstone that was deposited in a nearshore environment. The Telegraph Creek Formation is late Santonian in age (Cobban, 1955; Cobban et al., 2005), and the Virgelle Sandstone early Campanian (Cobban, 1955).

Nonmarine deposition was reinitiated during the Campanian. The Two Medicine Formation in Montana consists of ~600 m of fluvial and minor shallow lacustrine deposits with locally important volcanic material and coal beds (Fig. 4). Nonmarine and nearshore marine equivalents in central Montana include the Eagle and Judith River Formations, which thin eastward into the fully marine Claggett and Bearpaw Shales. $^{40}Ar/^{39}Ar$ dating of biotite and plagioclase from bentonites located near the base and top of the Two Medicine Formation constrain its age between ~80 and 74 Ma (Rogers et al., 1993; Rogers, 1994).

Deposition of the Two Medicine Formation continued until maximum transgression of the Bearpaw Sea (Gill and Cobban, 1973). The Campanian-Maastrichtian Bearpaw Shale and the Horsethief Sandstone represent the final widespread marine units in northwestern Montana. In the study area the total thickness of the Bearpaw and Horsethief is ~100 m (Fig. 4). The Bearpaw Shale consists of offshore black shale and siltstone with thin layers of sandstone, which grade upward into

fossiliferous, trough cross-stratified sandstone. The Horsethief Sandstone consists of a succession of cross-stratified shallow marine sandstone.

The youngest foreland basin deposits preserved in regions adjacent to the fold-thrust belt are the St. Mary River and Willow Creek Formations, which are broadly dated by vertebrate and invertebrate fossils as Maastrichtian-early Paleocene (Russel, 1950, 1968; Tozier, 1956; Catuneanu and Sweet, 1999). The thickness of these two units is difficult to estimate owing to the discontinuity of outcrops and lack of marker intervals to establish correlations. However, well data indicate that the St. Mary River Formation is on the order of 300 m thick (Fig. 4), similar to the value estimated by Stebinger (1916). The combined thickness of the two units probably is more than 800 m (Mudge et al., 1982). The St. Mary River Formation consists of greenish-gray, purple and brown mudstone, and beds of cross-stratified fluvial sandstone, locally with coarse to very coarse beds of sandstone rich in volcanic material. Cuttings and electric logs from the Rainbow Resources 1-7 Art V Dresen well located near the international border show a dominance of mudstone with frequent bentonitic beds. The Willow Creek Formation is only locally exposed, and consists of variegated mudstone with thin beds of sandstone.

A sample of fluvial channel sandstone from the St. Mary River Formation yielded abundant detrital zircons with ages up to mid-Maastrichtian. The mean age from the ten youngest grains is ~68.5 Ma, providing an additional maximum age constraint for deposition of this unit.

Paleocene-Eocene

The youngest part of the foreland basin has been erosionally removed along proximal areas. Lower Danian to middle Paleocene deposits are preserved in the Porcupine Hills Formation in southern Canada, and in the Fort Union Formation in central Montana (Douglas, 1950; Mack and Jerzykiewicz, 1988; Fox, 1990; Catuneanu and Sweet, 1999; Lund et al., 2002). In northern Montana the youngest rocks that can be linked to deformation in the fold-thrust belt are in the lower Eocene Wasatch Formation on the flanks of the Bearpaw Mountains and in the Missouri Breaks diatremes, ~200 km east of the frontal part of the fold-thrust belt (Reeves, 1946; Hearn, 1976).

The Fort Union Formation in the Bearpaw Mountains consists of ~300 meters of sandstone, siltstone and shale representing fluvial and lacustrine deposits (Fig. 4). Lacustrine carbonaceous shale and coal contain abundant fossil plants. The Wasatch Formation consists of variegated siltstone, bentonitic mudstone, cross-stratified fine- to coarse-grained sandstone, and lenticular beds of cobble-boulder conglomerate. The Wasatch Formation is overlain with angular unconformity by extrusive rocks of the Bearpaw Mountains volcanic field (Hearn, 1976). Measured sections of the Wasatch Formation indicate a thickness of ~250 m, but the original thickness is unknown. Eroded proximal equivalents of the Fort Union and Wasatch Formations could have been much thicker. In Alberta, work on coal moisture and vitrinite reflectance indicates that approximately 3 km of synorogenic Cenozoic strata have been removed from the plains by post-Miocene erosion (Beaumont, 1981). Hardebol et al. (2009), based on organic maturity ranks and forward thermokinematic modeling, have estimated 2 to 4 km of exhumation involving the entire former foredeep during the late Paleocene-Eocene.

The Fort Union Formation has been assigned to the Paleocene (Rice, 1976). Recent work based on plant content and magnetostratigraphy (Hartman, 2002; Lund et al. 2002) placed the Fort Union Formation of the Williston basin across the Maastrichtian-Danian boundary or the very early Danian, up to the late Paleocene. The Wasatch Formation has been assigned an early Eocene age (ca. 57–54 Ma) based on flora and vertebrate fossils (Brown and Pecora, 1949; Marvin et al., 1980). Volcanic rocks overlying the Wasatch have been dated as late early to early middle Eocene (ca. 54–50 Ma) (Marvin et al., 1980; Wing and Greenwood, 1993). The Wasatch Formation is the last unit deposited in a foreland basin setting, and the early to middle Eocene igneous rocks that cover and intrude this unit herald the beginning of crustal extension and magmatism in the northern Cordillera (Constenius, 1996).

Table DR2:U-Pb (zircon) geochronologic analyses by Laser-Ablation Multicollector ICP Mass Spectometry.

					Isotope ratios						Apparent ages (Ma)					
Analysis	U	206Pb	U/Th	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±
	(ppm)	204Pb		235U*	(%)	238U	(%)	corr.	238U*	(Ma)	235U	(Ma)	207Pb*	(Ma)	(Ma)	(Ma)
EB-1	101	6204	1.8	2.3964	4.7	0.1966	3.9	0.82	1156.9	40.9	1241.5	33.7	1391.5	51.5	1391.5	51.5
EB-2	150	23504	1.8	3.3083	2.0	0.2557	1.0	0.51	1467.9	13.1	1483.0	15.3	1504.7	31.8	1504.7	31.8
EB-3	139	11238	1.9	1.7674	3.1	0.1740	1.3	0.43	1034.0	12.8	1033.6	20.3	1032.6	57.1	1032.6	57.1
EB-4	87	10658	1.9	2.2816	2.3	0.2045	1.1	0.50	1199.4	12.5	1206.6	16.1	1219.5	38.8	1219.5	38.8
EB-5	233	31858	2.1	4.0223	4.5	0.2876	4.3	0.95	1629.7	61.6	1638.7	36.7	1650.3	26.7	1650.3	26.7
EB-6	78	10476	2.6	21.9367	1.6	0.5938	1.0	0.64	3004.9	24.0	3180.9	15.1	3293.9	18.8	3293.9	18.8
EB-7	282	39312	1.4	5.9221	2.5	0.3522	2.2	0.89	1944.9	37.6	1964.5	22.0	1985.2	20.8	1985.2	20.8
EB-8	78	10760	1.5	4.3663	2.2	0.3037	1.1	0.49	1709.5	16.5	1706.0	18.4	1701.7	35.6	1701.7	35.6
EB-9	178	19576	1.6	3.9355	3.1	0.2787	2.7	0.89	1584.6	38.5	1621.0	24.9	1668.7	25.8	1668.7	25.8
EB-10	246	6044	2.8	0.5515	2.7	0.0711	1.3	0.47	442.7	5.5	446.0	9.7	463.0	52.7	442.7	5.5
EB-12	160	29690	2.2	3.7752	2.6	0.2787	1.8	0.68	1585.0	24.9	1587.5	21.0	1590.8	35.9	1590.8	35.9
EB-13	114	22992	1.4	13.6265	1.9	0.5246	1.7	0.86	2718.5	37.0	2724.1	18.4	2728.3	16.5	2728.3	16.5
EB-14	99	12894	2.6	4.3589	2.2	0.3010	2.0	0.89	1696.2	29.8	1704.6	18.5	1714.9	18.6	1714.9	18.6
EB-15	67	3538	0.9	1.9737	4.8	0.1858	1.0	0.21	1098.7	10.1	1106.6	32.2	1122.0	93.2	1122.0	93.2
EB-16	38	4820	1.0	10.1802	3.1	0.4564	2.5	0.82	2423.5	51.3	2451.3	28.8	2474.4	30.4	2474.4	30.4
EB-17	555	45794	3.4	3.2513	2.3	0.2533	1.7	0.70	1455.2	21.5	1469.5	18.2	1490.2	31.4	1490.2	31.4
EB-18	406	18270	3.0	4.8656	2.7	0.3208	2.2	0.79	1793.6	33.8	1796.3	22.9	1799.4	30.1	1799.4	30.1
EB-19	82	10216	1.5	9.4139	2.7	0.4383	2.1	0.78	2342.9	41.8	2379.2	25.0	2410.4	28.8	2410.4	28.8
EB-20	195	23132	2.6	7.4866	3.7	0.3797	3.1	0.83	2074.8	55.0	2171.4	33.6	2263.9	36.2	2263.9	36.2
EB-21	96	13628	2.0	4.5002	1.9	0.3098	1.0	0.52	1739.8	15.2	1731.0	16.0	1720.4	30.2	1720.4	30.2
EB-22	147	12244	2.3	1.9393	2.3	0.1863	2.0	0.90	1101.1	20.6	1094.8	15.3	1082.1	20.3	1082.1	20.3
EB-23	137	20096	1.7	4.2817	1.7	0.2993	1.0	0.58	1687.7	14.8	1689.9	14.3	1692.5	26.2	1692.5	26.2
EB-24	70	10698	1.4	7.6395	2.2	0.4041	1.0	0.46	2187.9	18.6	2189.5	19.5	2191.0	33.6	2191.0	33.6
EB-25	125	2732	1.2	0.5686	5.7	0.0734	2.2	0.39	456.5	9.7	457.1	21.0	460.4	116.4	456.5	9.7
EB-26	63	6042	2.0	2.6919	3.3	0.2314	1.0	0.30	1341.8	12.1	1326.2	24.6	1301.2	61.5	1301.2	61.5
EB-28	91	16974	1.2	13.4011	1.8	0.5215	1.5	0.83	2705.6	32.5	2708.3	16.8	2710.4	16.5	2710.4	16.5
EB-29	74	11016	2.2	4.5619	2.0	0.3124	1.0	0.49	1752.3	15.3	1742.3	17.0	1730.4	32.6	1730.4	32.6
EB-30	306	41768	0.7	5.2801	3.0	0.3372	2.3	0.77	1873.4	37.1	1865.6	25.2	1857.0	34.0	1857.0	34.0
EB-31	152	16656	2.7	4.8957	1.5	0.3210	1.1	0.73	1794.8	16.9	1801.5	12.4	1809.3	18.2	1809.3	18.2
EB-32	73	9826	1.4	6.2310	2.4	0.3659	1.3	0.56	2009.9	23.0	2008.8	20.8	2007.7	35.0	2007.7	35.0
EB-33	161	10888	2.0	2.8889	5.4	0.2038	4.7	0.87	1195.8	51.6	1379.0	41.0	1675.4	49.3	1675.4	49.3
EB-34	109	12772	1.5	2.4439	1.6	0.2154	1.0	0.63	1257.5	11.4	1255.6	11.3	1252.5	23.8	1252.5	23.8
EB-35	289	31374	1.5	7.3047	1.5	0.3945	1.0	0.65	2143.7	18.2	2149.4	13.8	2154.8	20.4	2154.8	20.4
EB-36	115	10586	1.2	2.1607	2.0	0.1962	1.2	0.60	1155.0	12.6	1168.5	13.8	1193.5	31.6	1193.5	31.6
EB-37	272	23406	1.4	3.3719	1.5	0.2621	1.1	0.72	1500.4	14.1	1497.9	11.4	1494.3	18.9	1494.3	18.9
EB-38	303	23500	4.4	2.0169	2.4	0.1918	1.6	0.66	1131.0	16.6	1121.2	16.4	1102.4	36.0	1102.4	36.0
EB-39	75	5320	2.3	2.4197	2.8	0.2144	2.4	0.88	1252.2	27.8	1248.5	19.9	1242.0	25.5	1242.0	25.5
EB-40	346	1816	3.1	0.2098	6.1	0.0269	1.5	0.25	171.1	2.5	193.4	10.7	474.7	130.0	171.1	2.5

EB-41	172	8256	2.5	1.5988	1.7	0.1609	1.2	0.71	961.5	10.8	969.7	10.7	988.4	24.6	988.4	24.6
EB-42	66	8950	4.2	11.0919	3.6	0.4433	2.2	0.62	2365.5	44.2	2530.9	33.3	2666.3	46.2	2666.3	46.2
EB-43	406	9972	4.4	0.5880	1.7	0.0752	1.0	0.57	467.2	4.5	469.6	6.5	481.4	31.5	467.2	4.5
EB-44	385	35046	2.5	3.3203	3.1	0.2556	2.8	0.92	1467.5	37.1	1485.8	24.0	1512.2	22.5	1512.2	22.5
EB-45	521	51526	3.7	5.2186	3.8	0.3386	2.0	0.53	1879.9	32.9	1855.7	32.5	1828.6	58.8	1828.6	58.8
EB-46	312	8196	1.4	0.5657	2.9	0.0720	1.0	0.34	448.3	4.3	455.2	10.8	490.3	60.9	448.3	4.3
EB-47	169	7622	2.2	1.6099	2.0	0.1637	1.2	0.59	977.3	10.8	974.1	12.6	966.7	33.1	966.7	33.1
EB-48	82	11246	3.0	2.1530	2.5	0.1963	1.0	0.40	1155.6	10.6	1166.0	17.3	1185.5	45.3	1185.5	45.3
EB-49	304	14676	2.4	0.5768	2.5	0.0728	1.0	0.40	453.0	4.4	462.4	9.3	509.5	50.6	453.0	4.4
EB-50	428	46390	3.4	4.5390	2.6	0.3065	2.0	0.76	1723.4	30.2	1738.1	22.0	1755.9	31.5	1755.9	31.5
EB-51	43	9938	1.4	5.3505	3.7	0.3345	3.4	0.92	1860.0	54.6	1877.0	31.5	1895.8	26.1	1895.8	26.1
EB-53	46	4000	1.1	1.6299	4.2	0.1633	1.6	0.38	975.0	14.6	981.8	26.7	997.2	79.9	997.2	79.9
EB-54	132	9384	0.7	1.7278	2.3	0.1707	2.1	0.90	1016.2	19.7	1018.9	15.0	1024.7	20.4	1024.7	20.4
EB-55	86	8662	1.1	3.1223	2.6	0.2517	1.7	0.66	1447.0	22.2	1438.2	19.9	1425.1	37.2	1425.1	37.2
EB-56	343	19940	4.2	5.1717	2.3	0.3277	1.0	0.44	1827.4	15.9	1848.0	19.3	1871.2	36.8	1871.2	36.8
EB-57	112	8030	2.9	1.9397	2.9	0.1842	1.0	0.35	1090.1	10.0	1094.9	19.2	1104.5	53.7	1104.5	53.7
EB-58	110	12756	0.4	13.2328	2.8	0.4980	2.6	0.93	2605.2	55.5	2696.4	26.2	2765.5	16.4	2765.5	16.4
EB-59	166	20836	2.1	3.4006	2.2	0.2611	1.9	0.85	1495.2	25.4	1504.5	17.5	1517.7	21.9	1517.7	21.9
EB-60	205	34816	1.3	5.1903	2.0	0.3278	1.5	0.76	1827.6	24.0	1851.0	17.0	1877.4	23.6	1877.4	23.6
EB-61	156	9334	14.2	1.8597	2.5	0.1756	1.1	0.44	1043.1	10.6	1066.9	16.7	1115.7	45.4	1115.7	45.4
EB-62	119	8526	1.9	1.9246	3.6	0.1841	1.0	0.27	1089.2	10.0	1089.7	24.4	1090.6	70.3	1090.6	70.3
EB-63	137	10550	2.7	4.3196	3.5	0.2813	2.7	0.78	1598.1	38.2	1697.1	28.6	1821.7	39.6	1821.7	39.6
EB-64	231	41892	1.1	15.5309	2.9	0.5568	1.8	0.62	2853.4	40.8	2848.4	27.4	2844.8	36.8	2844.8	36.8
EB-65	156	3440	1.8	0.5282	4.7	0.0682	1.6	0.34	425.3	6.6	430.6	16.5	459.2	98.1	425.3	6.6
EB-66	248	23078	1.3	4.1139	1.4	0.2910	1.0	0.71	1646.5	14.5	1657.1	11.6	1670.5	18.5	1670.5	18.5
EB-67	591	33472	2.0	5.7707	4.0	0.3068	1.0	0.25	1725.1	15.1	1942.0	34.7	2182.0	67.6	2182.0	67.6
EB-68	188	17306	1.2	3.0068	1.8	0.2454	1.0	0.56	1414.5	12.7	1409.3	13.5	1401.6	28.0	1401.6	28.0
EB-69	138	9562	1.0	2.5405	3.6	0.2147	2.5	0.68	1253.8	27.9	1283.7	26.2	1334.0	51.0	1334.0	51.0
EB-70	561	42376	33.0	1.8873	2.4	0.1795	2.1	0.87	1064.3	20.6	1076.6	16.0	1101.7	23.8	1101.7	23.8
EB-71	170	11806	2.4	2.1672	2.6	0.2012	1.7	0.66	1181.7	18.5	1170.6	17.9	1150.1	38.3	1150.1	38.3
EB-72	62	11812	1.7	11.6444	4.9	0.4948	3.8	0.77	2591.2	80.9	2576.2	45.8	2564.5	51.9	2564.5	51.9
EB-73	23	4688	2.9	14.8549	2.8	0.5481	1.0	0.36	2817.3	22.8	2806.0	26.2	2797.9	42.1	2797.9	42.1
EB-74	170	27500	2.4	4.9901	1.6	0.3263	1.2	0.75	1820.2	19.3	1817.7	13.7	1814.7	19.3	1814.7	19.3
EB-75	94	6890	1.4	2.6864	2.4	0.2272	1.0	0.41	1320.0	11.9	1324.7	17.9	1332.3	42.5	1332.3	42.5
EB-76	189	21794	2.9	10.2970	10.6	0.4428	10.3	0.97	2363.2	203.7	2461.8	98.6	2544.3	43.9	2544.3	43.9
EB-77	24	1068	0.8	2.0450	6.3	0.1859	1.0	0.16	1099.4	10.1	1130.6	43.1	1191.2	123.3	1191.2	123.3
EB-78	100	3466	1.2	1.0203	4.0	0.1121	2.5	0.64	684.8	16.4	714.1	20.4	807.1	64.0	684.8	16.4
EB-79	218	31470	3.6	5.7463	2.6	0.3244	2.0	0.75	1811.1	31.3	1938.4	22.7	2077.2	30.3	2077.2	30.3
EB-80	72	6766	2.0	3.4579	2.9	0.2416	2.4	0.83	1395.1	30.1	1517.7	22.7	1693.0	29.4	1693.0	29.4
EB-81	60	10182	1.6	6.3870	3.0	0.3602	2.7	0.88	1982.9	45.7	2030.5	26.7	2079.2	25.3	2079.2	25.3
EB-82	117	13570	1.9	3.8997	3.7	0.2857	3.4	0.91	1619.8	48.8	1613.6	30.2	1605.6	28.2	1605.6	28.2
EB-83	138	5034	1.2	0.5264	4.3	0.0697	2.3	0.54	434.5	9.8	429.4	15.2	402.1	81.7	434.5	9.8
EB-84	433	11372	1.9	0.5242	2.9	0.0672	1.6	0.55	419.3	6.5	427.9	10.1	474.5	53.8	419.3	6.5
EB-85	174	12406	1.5	4.0839	2.1	0.2876	1.7	0.82	1629.3	24.6	1651.1	17.1	1678.9	22.2	1678.9	22.2
EB-86	42	6566	0.8	12.1687	3.8	0.4928	1.7	0.45	2582.7	36.0	2617.5	35.5	2644.5	56.1	2644.5	56.1
EB-87	123	3182	0.6	0.5654	7.2	0.0744	1.0	0.14	462.6	4.5	455.1	26.5	417.0	160.1	462.6	4.5
EB-88	73	3704	1.4	1.7371	2.5	0.1672	1.1	0.42	996.4	9.9	1022.4	16.2	1078.5	45.8	1078.5	45.8

EB-89	101	17544	2.0	10.5566	1.6	0.4722	1.0	0.61	2493.0	20.7	2484.9	15.3	2478.2	22.1	2478.2	22.1
EB-90	58	11136	1.4	15.6629	1.5	0.5577	1.0	0.66	2857.1	23.1	2856.5	14.6	2856.0	18.7	2856.0	18.7
EB-91	83	11634	2.0	4.9399	2.2	0.3209	1.0	0.45	1794.2	15.7	1809.1	19.0	1826.3	36.5	1826.3	36.5
EB-92	262	25656	0.7	4.1224	1.6	0.2918	1.2	0.76	1650.5	17.3	1658.8	12.7	1669.2	18.5	1669.2	18.5
EB-93	350	45630	3.4	4.6180	3.8	0.3054	3.1	0.82	1718.0	47.2	1752.5	31.7	1794.0	39.2	1794.0	39.2
EB-94	130	7564	2.3	2.0000	3.6	0.1918	2.3	0.65	1130.9	23.9	1115.5	24.1	1085.7	54.4	1085.7	54.4
EB-95	113	26090	0.8	14.4848	1.8	0.5250	1.3	0.73	2720.3	29.1	2782.0	16.9	2827.0	19.8	2827.0	19.8
EB-96	110	14470	1.2	4.1829	2.6	0.2982	1.7	0.65	1682.4	25.2	1670.7	21.5	1656.0	36.9	1656.0	36.9
EB-97	119	14842	0.8	4.0471	2.3	0.2870	1.7	0.72	1626.4	24.0	1643.7	19.0	1665.9	30.0	1665.9	30.0
EB-98	184	4554	0.8	0.7456	3.5	0.0896	1.0	0.29	553.3	5.3	565.6	15.0	615.8	71.4	553.3	5.3
EB-99	103	12552	2.5	2.3357	2.2	0.2110	1.4	0.66	1234.3	16.0	1223.2	15.4	1203.7	32.2	1203.7	32.2
EB-100	217	4864	2.0	0.5711	3.9	0.0725	2.7	0.68	451.1	11.6	458.7	14.5	497.3	63.2	451.1	11.6

1GR14-1	89	5055	2.4	1.90657	2.0	0.18397	1.4	0.70	1088.6	14.0	1083.4	13.3	1072.9	28.7	1072.9	28.7
1GR14-2	387	5187	1.0	0.34076	3.3	0.04782	2.7	0.81	301.1	7.8	297.8	8.4	271.5	43.7	301.1	7.8
1GR14-3	308	31302	2.6	4.83057	7.2	0.32673	2.8	0.39	1822.5	44.6	1790.2	61.0	1752.8	122.4	1752.8	122.4
1GR14-4	382	1581	0.7	0.17205	4.5	0.02588	1.2	0.27	164.7	2.0	161.2	6.8	110.3	103.2	164.7	2.0
1GR14-5	630	11200	1.1	0.37551	4.5	0.05172	4.2	0.93	325.1	13.2	323.7	12.5	314.1	38.4	325.1	13.2
1GR14-6	23	2237	0.7	2.17657	4.7	0.19863	2.2	0.48	1168.0	24.0	1173.6	32.7	1183.9	81.4	1183.9	81.4
1GR14-7	36	2617	0.7	1.83834	3.4	0.17823	1.1	0.33	1057.3	10.7	1059.3	22.2	1063.3	64.3	1063.3	64.3
1GR14-8	234	24039	1.6	5.21576	1.5	0.33348	1.0	0.69	1855.2	16.7	1855.2	12.8	1855.2	19.6	1855.2	19.6
1GR14-9	194	23267	0.7	5.32841	1.6	0.33720	1.0	0.63	1873.2	16.3	1873.4	13.6	1873.7	22.4	1873.7	22.4
1GR14-10	314	47473	1.4	4.55034	3.3	0.31195	2.7	0.84	1750.3	42.0	1740.2	27.2	1728.1	32.7	1728.1	32.7
1GR14-11	507	55492	2.0	3.09799	2.3	0.24830	1.2	0.51	1429.7	15.2	1432.2	17.9	1435.9	38.4	1435.9	38.4
1GR14-12	448	5155	1.7	0.18647	2.8	0.02668	1.4	0.52	169.7	2.4	173.6	4.4	226.8	54.3	169.7	2.4
1GR14-13	309	2687	0.9	0.17800	3.2	0.02657	1.5	0.45	169.0	2.4	166.3	5.0	128.3	68.2	169.0	2.4
1GR14-14	201	6892	1.7	0.34164	4.0	0.04604	3.2	0.80	290.2	9.2	298.4	10.5	363.4	55.1	290.2	9.2
1GR14-15	40	2203	1.0	1.90740	5.5	0.18136	3.2	0.58	1074.4	31.6	1083.7	37.0	1102.4	90.8	1102.4	90.8
1GR14-16	273	3166	0.9	0.16848	5.9	0.02468	3.9	0.66	157.1	6.0	158.1	8.6	172.4	103.5	157.1	6.0
1GR14-17	103	26211	1.1	4.05029	2.9	0.29025	2.6	0.89	1642.8	37.1	1644.4	23.4	1646.4	24.2	1646.4	24.2
1GR14-18	77	13939	0.7	4.08434	2.6	0.29347	2.2	0.85	1658.8	31.7	1651.2	20.8	1641.4	24.9	1641.4	24.9
1GR14-19	290	27305	0.9	3.75437	6.0	0.25564	5.0	0.83	1467.5	65.1	1583.0	48.1	1740.6	62.0	1740.6	62.0
1GR14-20	84	7542	0.7	3.24488	2.6	0.25718	1.8	0.68	1475.4	23.8	1468.0	20.5	1457.2	36.7	1457.2	36.7
1GR14-21	204	3816	0.9	0.26761	3.4	0.03839	2.1	0.62	242.8	5.0	240.8	7.3	220.9	61.5	242.8	5.0
1GR14-22	157	11881	1.5	2.21128	2.6	0.20134	1.7	0.64	1182.5	18.3	1184.6	18.5	1188.5	40.1	1188.5	40.1
1GR14-23	233	25664	1.7	3.21883	3.6	0.25661	2.7	0.75	1472.5	35.6	1461.7	27.9	1446.1	45.2	1446.1	45.2
1GR14-24	56	5362	1.5	2.24822	2.8	0.20545	1.7	0.62	1204.5	19.0	1196.2	19.6	1181.2	43.4	1181.2	43.4
1GR14-25	107	19907	0.8	5.23469	4.0	0.33259	2.5	0.63	1850.9	40.5	1858.3	34.1	1866.5	56.0	1866.5	56.0
1GR14-26	202	25108	1.6	3.49815	2.9	0.26435	2.2	0.76	1512.1	29.7	1526.8	23.0	1547.3	35.6	1547.3	35.6
1GR14-27	141	12011	1.7	2.13185	2.3	0.19658	1.3	0.56	1156.9	13.7	1159.2	15.8	1163.4	37.5	1163.4	37.5
1GR14-28	152	19818	1.7	1.82311	3.5	0.17796	2.6	0.74	1055.8	25.0	1053.8	22.7	1049.7	46.9	1049.7	46.9
1GR14-29	51	2224	0.8	0.68905	4.7	0.08276	1.7	0.36	512.6	8.4	532.2	19.5	617.4	94.6	512.6	8.4
1GR14-30	299	46122	3.4	3.89877	3.0	0.28302	1.5	0.50	1606.5	21.5	1613.4	24.2	1622.4	48.0	1622.4	48.0
1GR14-31	424	2245	1.3	0.32828	6.5	0.04754	3.4	0.53	299.4	10.1	288.3	16.4	198.6	129.4	299.4	10.1
1GR14-32	211	10205	1.5	3.29683	3.1	0.24707	2.1	0.67	1423.3	26.4	1480.3	24.2	1562.9	43.4	1562.9	43.4
1GR14-33	108	21230	0.7	5.55320	2.1	0.34649	1.5	0.73	1917.8	24.7	1908.9	17.7	1899.2	25.4	1899.2	25.4
1GR14-34	215	50423	1.1	4.14576	4.4	0.29532	4.1	0.94	1668.1	60.2	1663.4	35.8	1657.4	28.6	1657.4	28.6

1GR14-35	292	1945	0.6	0.16911	5.3	0.02551	1.8	0.35	162.4	2.9	158.6	7.8	102.7	118.3	162.4	2.9
1GR14-36	145	26069	0.8	7.24154	3.0	0.39511	2.8	0.94	2146.5	51.6	2141.6	26.8	2137.0	17.9	2137.0	17.9
1GR14-37	37	4539	1.5	1.93739	2.8	0.18448	1.7	0.61	1091.4	16.9	1094.1	18.6	1099.5	44.1	1099.5	44.1
1GR14-38	91	9176	0.6	3.30429	3.5	0.25971	2.7	0.76	1488.4	35.6	1482.1	27.3	1473.0	42.8	1473.0	42.8
1GR14-39	102	11982	0.5	3.37328	4.1	0.26251	3.4	0.84	1502.7	45.8	1498.2	31.9	1491.9	41.8	1491.9	41.8
1GR14-40	224	12376	1.2	3.38075	4.5	0.26502	3.0	0.67	1515.5	40.6	1499.9	35.2	1478.0	63.1	1478.0	63.1
1GR14-41	81	12227	1.2	5.41189	2.0	0.34145	1.5	0.76	1893.6	24.9	1886.7	17.1	1879.2	23.2	1879.2	23.2
1GR14-42	67	722	1.0	0.69546	29.3	0.10958	4.2	0.14	670.3	27.0	536.1	122.6	-0.8	711.7	670.3	27.0
1GR14-43	320	8111	0.8	0.31521	2.6	0.04389	1.1	0.44	276.9	3.1	278.2	6.3	289.3	53.4	276.9	3.1
1GR14-44	194	4709	0.4	0.35829	2.9	0.04893	1.2	0.40	307.9	3.6	310.9	7.9	333.5	60.9	307.9	3.6
1GR14-45	242	26690	0.8	4.28778	1.5	0.29978	1.1	0.73	1690.2	16.1	1691.0	12.2	1692.0	18.5	1692.0	18.5
1GR14-46	78	5910	0.7	2.85686	2.4	0.23835	1.0	0.42	1378.1	12.4	1370.6	17.9	1358.9	41.6	1358.9	41.6
1GR14-47	68	7693	1.3	3.02823	2.6	0.24487	2.2	0.85	1412.0	27.9	1414.8	19.7	1419.0	25.9	1419.0	25.9
1GR14-48	167	3460	0.5	0.33856	3.6	0.04757	3.2	0.89	299.6	9.5	296.1	9.4	268.6	37.9	299.6	9.5
1GR14-49	43	3065	1.9	1.58592	3.6	0.16114	1.9	0.53	963.1	17.2	964.7	22.7	968.3	63.2	963.1	17.2
1GR14-50	323	54734	4.0	15.01775	2.5	0.55026	2.2	0.90	2826.3	51.1	2816.4	23.7	2809.3	17.8	2809.3	17.8
1GR14-51	295	6140	1.5	0.19310	2.6	0.02709	1.6	0.63	172.3	2.7	179.3	4.2	272.5	45.5	172.3	2.7
1GR14-52	151	25277	0.8	3.46663	1.6	0.26548	1.0	0.64	1517.8	13.8	1519.7	12.6	1522.2	23.3	1522.2	23.3
1GR14-53	193	29671	1.0	2.56585	1.4	0.22098	1.0	0.70	1287.0	11.7	1291.0	10.4	1297.5	19.7	1297.5	19.7
1GR14-54	319	28260	0.6	4.04741	1.7	0.29147	1.3	0.79	1648.9	19.1	1643.8	13.4	1637.2	18.6	1637.2	18.6
1GR14-55	266	9226	0.5	1.53272	3.5	0.15753	3.1	0.91	943.0	27.5	943.6	21.2	944.9	30.0	943.0	27.5
1GR14-56	597	11108	1.0	0.26181	2.4	0.03704	1.0	0.42	234.5	2.3	236.1	5.0	252.6	50.0	234.5	2.3
1GR14-58	115	21217	1.5	4.75373	3.1	0.31468	2.0	0.64	1763.7	31.2	1776.8	26.4	1792.1	43.9	1792.1	43.9
1GR14-59	122	18688	1.7	1.77086	2.1	0.17496	1.8	0.86	1039.4	17.2	1034.8	13.5	1025.2	21.6	1025.2	21.6
1GR14-60	427	41310	1.3	2.27219	1.7	0.20529	1.0	0.61	1203.7	11.3	1203.7	11.8	1203.8	26.1	1203.8	26.1
1GR14-61	262	4477	0.4	0.64922	2.0	0.08165	1.0	0.49	506.0	4.9	508.0	8.1	517.2	38.9	506.0	4.9
1GR14-62	114	1785	1.1	0.20955	5.4	0.02820	1.7	0.32	179.3	3.0	193.2	9.6	366.4	116.2	179.3	3.0
1GR14-63	83	8727	0.7	3.32364	2.8	0.25971	2.5	0.92	1488.4	33.8	1486.6	21.5	1484.1	20.2	1484.1	20.2
1GR14-64	124	8688	1.0	3.52548	2.1	0.27000	1.7	0.82	1540.8	23.8	1532.9	16.9	1522.1	23.2	1522.1	23.2
1GR14-65	211	40744	1.2	3.22527	1.8	0.25565	1.2	0.66	1467.6	15.1	1463.3	13.6	1457.0	25.1	1457.0	25.1
1GR14-66	68	3209	0.3	0.37994	4.0	0.05242	2.4	0.59	329.4	7.6	327.0	11.3	310.2	74.1	329.4	7.6
1GR14-67	239	4197	0.8	0.18604	3.4	0.02678	1.4	0.40	170.4	2.3	173.2	5.5	212.6	73.1	170.4	2.3
1GR14-68	50	7817	0.6	5.42675	2.4	0.33937	2.2	0.90	1883.6	35.6	1889.1	20.7	1895.1	18.7	1895.1	18.7
1GR14-69	46	4630	0.7	2.06819	2.9	0.19282	2.4	0.82	1136.6	24.7	1138.3	19.8	1141.6	32.8	1141.6	32.8
1GR14-70	142	17610	1.2	1.91225	2.1	0.18367	1.8	0.86	1087.0	17.9	1085.4	13.8	1082.1	20.8	1082.1	20.8
1GR14-71	200	28935	1.0	1.89780	2.7	0.18323	2.2	0.82	1084.6	22.0	1080.3	17.8	1071.7	30.5	1071.7	30.5
1GR14-72	34	9153	0.7	3.33292	3.0	0.26258	2.3	0.76	1503.0	31.1	1488.8	23.7	1468.5	37.1	1468.5	37.1
1GR14-73	84	16746	2.1	2.84834	2.3	0.23617	2.0	0.88	1366.8	24.7	1368.4	17.2	1370.9	21.0	1370.9	21.0
1GR14-74	139	10817	0.6	1.20179	2.3	0.13076	2.1	0.89	792.2	15.5	801.4	12.9	827.1	22.1	792.2	15.5
1GR14-75	207	26625	1.2	5.57019	1.8	0.34510	1.5	0.83	1911.1	24.3	1911.5	15.3	1911.9	18.0	1911.9	18.0
1GR14-76	185	11193	1.1	0.92940	2.0	0.10952	1.6	0.79	670.0	10.3	667.3	10.0	658.3	27.0	670.0	10.3
1GR14-77	235	2370	1.2	0.41404	16.8	0.05242	2.8	0.17	329.4	9.1	351.8	50.1	502.4	367.7	329.4	9.1
1GR14-78	124	8814	0.6	1.22269	2.0	0.13444	1.6	0.80	813.1	12.0	811.0	11.0	805.2	24.5	813.1	12.0
1GR14-79	56	3019	0.4	1.28677	2.2	0.14020	1.0	0.45	845.8	7.9	839.9	12.6	824.3	40.9	845.8	7.9
1GR14-80	223	20949	0.6	3.44392	2.7	0.26704	2.2	0.80	1525.8	29.3	1514.5	21.2	1498.7	30.8	1498.7	30.8
1GR14-81	72	7765	1.7	2.35933	3.6	0.20460	1.9	0.53	1200.0	21.1	1230.4	25.9	1284.1	59.9	1284.1	59.9
1GR14-82	160	10746	1.8	1.90819	2.0	0.18359	1.0	0.50	1086.5	10.0	1084.0	13.4	1078.7	35.1	1078.7	35.1

1GR14-83	574	67876	7.0	4.22721	1.4	0.29913	1.0	0.71	1687.0	14.8	1679.3	11.6	1669.7	18.5	1669.7	18.5
1GR14-84	440	23619	3.3	1.87958	2.0	0.18110	1.4	0.69	1073.0	13.4	1073.9	13.0	1075.8	28.6	1075.8	28.6
1GR14-85	199	11846	1.1	1.91507	2.0	0.18496	1.0	0.49	1094.0	10.1	1086.4	13.6	1071.0	35.9	1071.0	35.9
1GR14-86	92	20547	0.8	13.45850	2.8	0.52244	2.3	0.82	2709.5	50.3	2712.4	26.2	2714.5	26.2	2714.5	26.2
1GR14-87	397	8074	1.2	0.28886	4.0	0.03931	2.5	0.63	248.5	6.1	257.7	9.1	341.6	70.1	248.5	6.1
1GR14-88	93	8759	1.1	3.30088	2.4	0.25955	2.0	0.82	1487.6	26.2	1481.3	18.7	1472.2	25.8	1472.2	25.8
1GR14-89	82	4469	1.0	1.71644	3.5	0.17120	2.8	0.80	1018.7	26.5	1014.7	22.6	1006.0	42.8	1006.0	42.8
1GR14-90	53	9358	1.6	1.67895	4.7	0.16422	4.5	0.95	980.2	40.8	1000.6	30.2	1045.6	31.1	1045.6	31.1
1GR14-92	147	38035	1.6	3.42357	1.4	0.26447	1.0	0.70	1512.7	13.5	1509.8	11.2	1505.8	19.1	1505.8	19.1
1GR14-93	214	3389	1.0	0.29765	4.5	0.04207	1.6	0.35	265.7	4.1	264.6	10.5	254.8	96.6	265.7	4.1
1GR14-94	187	192	3.1	0.31946	5.3	0.04577	2.3	0.43	288.5	6.5	281.5	13.1	223.4	111.2	288.5	6.5
1GR14-95	241	14855	1.2	1.84113	2.4	0.17966	2.1	0.86	1065.1	20.4	1060.3	15.9	1050.2	24.5	1050.2	24.5
1GR14-96	263	59288	1.0	9.40708	1.7	0.43007	1.0	0.58	2306.1	19.4	2378.5	15.9	2441.2	23.9	2441.2	23.9
1GR14-97	135	4851	2.0	2.30463	3.3	0.20834	1.9	0.57	1220.0	20.9	1213.7	23.6	1202.6	54.2	1202.6	54.2
1GR14-98	194	14652	2.5	1.87462	2.0	0.18100	1.4	0.71	1072.5	14.2	1072.2	13.5	1071.6	28.8	1071.6	28.8
1GR14-99	415	5142	1.1	0.39954	2.1	0.04989	1.0	0.49	313.9	3.2	341.3	6.1	532.6	40.4	313.9	3.2
1GR14-100	186	16353	1.4	3.61810	2.3	0.25755	1.8	0.77	1477.3	23.1	1553.5	18.1	1658.7	27.0	1658.7	27.0

1GRZ-1	64	2124	1.1	0.7134	7.4	0.0723	4.9	0.66	450.2	21.2	546.7	31.1	972.6	112.2	450.2	21.2
1GRZ-2	251	43120	4.8	4.3365	3.9	0.3020	2.8	0.71	1701.4	41.6	1700.3	32.2	1698.9	50.5	1698.9	50.5
1GRZ-3	478	6520	0.9	0.1975	3.6	0.0264	3.1	0.86	168.2	5.1	183.0	6.0	378.3	41.0	168.2	5.1
1GRZ-4	384	20008	1.9	0.8055	3.1	0.0953	2.6	0.81	586.8	14.3	599.9	14.2	649.5	39.3	586.8	14.3
1GRZ-5	153	12584	1.3	2.0914	2.4	0.1912	1.1	0.46	1127.6	11.6	1146.0	16.6	1180.8	42.4	1180.8	42.4
1GRZ-7	67	20444	1.4	15.8890	2.2	0.5546	1.0	0.45	2844.2	23.0	2870.1	21.4	2888.4	32.5	2888.4	32.5
1GRZ-8	113	8500	2.7	0.7884	4.5	0.0933	1.7	0.37	575.0	9.2	590.3	20.3	649.4	90.4	575.0	9.2
1GRZ-9	97	22780	1.5	8.4381	4.0	0.3952	1.0	0.25	2146.9	18.3	2279.3	36.3	2400.2	65.8	2400.2	65.8
1GRZ-10	250	3336	1.5	0.7003	11.7	0.0719	1.0	0.09	447.8	4.3	539.0	49.1	945.9	240.1	447.8	4.3
1GRZ-11	569	48920	1.6	1.8466	3.2	0.1700	1.0	0.32	1012.4	9.4	1062.2	20.8	1166.1	59.2	1166.1	59.2
1GRZ-12	223	26896	2.1	2.1966	3.3	0.1996	2.3	0.69	1173.4	24.8	1180.0	23.2	1192.1	47.4	1192.1	47.4
1GRZ-13	125	18632	1.3	4.2399	3.5	0.2984	1.2	0.35	1683.5	18.1	1681.8	28.8	1679.6	60.6	1679.6	60.6
1GRZ-17	322	46128	4.6	1.7281	4.4	0.1699	2.3	0.51	1011.6	21.1	1019.0	28.4	1035.1	76.6	1035.1	76.6
1GRZ-18	333	15196	7.9	4.3405	4.1	0.2722	1.6	0.40	1551.8	22.6	1701.1	33.7	1890.2	67.2	1890.2	67.2
1GRZ-19	100	18272	2.5	2.2925	5.2	0.2039	1.7	0.31	1196.1	18.0	1210.0	37.1	1234.9	97.8	1234.9	97.8
1GRZ-20	299	37092	18.3	2.1437	4.4	0.1829	1.1	0.26	1083.0	11.2	1163.0	30.4	1315.3	82.3	1315.3	82.3
1GRZ-21	227	40116	3.2	4.4949	3.7	0.3055	3.4	0.92	1718.3	50.5	1730.0	30.3	1744.3	26.6	1744.3	26.6
1GRZ-22	329	8708	6.3	0.5317	8.9	0.0648	1.0	0.11	404.6	3.9	432.9	31.4	586.7	192.5	404.6	3.9
1GRZ-25	335	48880	11.9	1.8097	3.7	0.1769	1.5	0.39	1050.2	14.1	1049.0	24.1	1046.3	68.2	1046.3	68.2
1GRZ-26	275	17784	17.8	0.9329	2.7	0.1060	1.0	0.39	649.6	6.4	669.2	13.1	735.6	52.1	649.6	6.4
1GRZ-27	133	21036	0.7	4.6448	1.7	0.3126	1.0	0.59	1753.6	15.4	1757.4	14.1	1761.8	24.9	1761.8	24.9
1GRZ-29	226	25120	1.8	1.8240	5.6	0.1756	5.0	0.90	1042.8	48.1	1054.1	36.5	1077.7	49.0	1077.7	49.0
1GRZ-30	685	20560	9.5	0.7249	2.9	0.0885	1.8	0.64	546.9	9.5	553.5	12.2	580.8	47.8	546.9	9.5
1GRZ-31	990	4448	2.5	0.3004	6.4	0.0353	4.7	0.74	223.9	10.4	266.7	14.9	661.8	91.3	223.9	10.4
1GRZ-33	225	29616	2.7	2.8660	6.1	0.2401	5.0	0.82	1387.3	62.2	1373.0	45.9	1350.8	67.6	1350.8	67.6
1GRZ-34	387	14564	20.0	0.5024	9.0	0.0667	5.3	0.59	416.0	21.5	413.3	30.6	398.6	162.9	416.0	21.5
1GRZ-35	797	14200	0.6	0.2762	4.6	0.0384	2.4	0.52	242.8	5.7	247.6	10.1	293.3	89.7	242.8	5.7
1GRZ-36	335	39304	1.1	3.2536	3.3	0.2535	2.5	0.76	1456.4	32.5	1470.0	25.3	1489.8	39.8	1489.8	39.8
1GRZ-37	655	8940	2.5	0.1970	4.8	0.0271	2.8	0.57	172.3	4.7	182.6	8.1	317.7	90.2	172.3	4.7

1GRZ-39	114	17452	1.1	2.9522	5.0	0.2432	3.0	0.58	1403.1	37.2	1395.4	38.3	1383.7	78.6	1383.7	78.6
1GRZ-40	155	25028	1.7	3.3441	2.2	0.2600	1.4	0.64	1489.8	18.2	1491.4	16.8	1493.6	31.4	1493.6	31.4
1GRZ-41	401	41900	2.7	1.7671	4.1	0.1714	2.1	0.50	1019.9	19.5	1033.4	26.7	1062.2	71.4	1062.2	71.4
1GRZ-42	109	5524	1.0	0.5388	7.2	0.0663	3.9	0.54	414.0	15.7	437.6	25.7	564.2	132.6	414.0	15.7
1GRZ-43	122	25368	3.1	1.9536	2.5	0.1786	1.8	0.71	1059.6	17.4	1099.7	16.7	1180.0	34.5	1180.0	34.5
1GRZ-44	183	52792	4.1	6.5262	2.6	0.3637	2.4	0.92	1999.7	40.6	2049.4	22.7	2099.9	18.3	2099.9	18.3
1GRZ-45	482	8932	1.9	0.1877	3.6	0.0257	2.0	0.56	163.9	3.3	174.7	5.8	323.3	68.7	163.9	3.3
1GRZ-46	732	10508	2.8	0.5639	7.9	0.0708	1.8	0.23	441.1	7.7	454.1	29.1	520.3	170.0	441.1	7.7
1GRZ-47	91	8516	1.6	3.0327	2.5	0.2401	1.3	0.51	1387.3	15.9	1415.9	19.2	1459.1	41.2	1459.1	41.2
1GRZ-50	299	12492	0.8	0.7268	4.3	0.0881	2.6	0.61	544.3	13.6	554.7	18.2	597.4	73.1	544.3	13.6
1GRZ-51	267	21344	2.9	1.9731	4.0	0.1805	1.7	0.42	1069.9	16.8	1106.4	27.1	1178.8	72.2	1178.8	72.2
1GRZ-52	176	4916	1.8	0.5320	7.1	0.0645	1.9	0.27	403.2	7.6	433.2	25.1	595.6	148.7	403.2	7.6
1GRZ-53	719	7608	2.6	0.3742	13.5	0.0445	1.5	0.11	280.4	4.0	322.8	37.3	640.9	289.7	280.4	4.0
1GRZ-54	935	15620	8.6	0.1737	4.7	0.0253	1.7	0.36	161.1	2.7	162.6	7.1	185.3	102.9	161.1	2.7
1GRZ-56	116	7864	1.0	2.0700	2.7	0.1874	1.9	0.70	1107.0	19.4	1138.9	18.6	1200.2	38.1	1200.2	38.1
1GRZ-57	591	5280	0.7	0.2115	6.1	0.0275	4.3	0.70	175.2	7.4	194.8	10.8	439.7	96.3	175.2	7.4
1GRZ-58	987	23248	8.8	1.7466	8.5	0.1634	7.5	0.88	975.9	67.7	1025.9	55.0	1134.2	81.1	1134.2	81.1
1GRZ-59	216	24800	1.6	3.1999	3.0	0.2561	1.4	0.45	1470.1	17.9	1457.1	23.4	1438.3	51.5	1438.3	51.5
1GRZ-60	1114	28452	1.2	0.1967	2.1	0.0284	1.0	0.47	180.4	1.8	182.3	3.5	207.1	43.4	180.4	1.8
1GRZ-61	582	96044	9.0	1.7252	7.9	0.1664	6.6	0.84	992.4	60.9	1018.0	50.6	1073.3	85.2	1073.3	85.2
1GRZ-62	87	19372	1.2	2.4648	2.2	0.2122	1.8	0.80	1240.3	19.7	1261.8	15.8	1298.6	25.6	1298.6	25.6
1GRZ-63	1205	19440	2.0	0.2900	9.9	0.0395	7.3	0.74	249.8	17.8	258.5	22.5	338.5	151.5	249.8	17.8
1GRZ-64	344	10948	1.1	0.5531	12.3	0.0681	2.0	0.16	424.7	8.2	447.0	44.6	563.4	265.6	424.7	8.2
1GRZ-65	353	59240	1.1	6.4227	4.8	0.3695	4.5	0.94	2027.1	78.3	2035.4	41.9	2043.7	27.8	2043.7	27.8
1GRZ-66	230	11536	1.4	0.4478	4.7	0.0583	3.9	0.83	365.5	13.9	375.8	14.7	439.1	57.4	365.5	13.9
1GRZ-67	550	18304	1.9	0.3111	3.4	0.0426	2.0	0.58	269.2	5.2	275.0	8.2	325.0	62.9	269.2	5.2
1GRZ-68	406	37920	1.2	4.8996	3.4	0.3069	3.0	0.87	1725.5	45.3	1802.2	28.8	1892.1	29.9	1892.1	29.9
1GRZ-69	802	30736	0.7	0.5677	3.4	0.0735	2.6	0.77	457.1	11.6	456.5	12.6	453.2	48.4	457.1	11.6
1GRZ-70	363	102056	5.4	3.1904	3.4	0.2515	2.0	0.59	1446.1	26.0	1454.8	26.3	1467.6	52.0	1467.6	52.0
1GRZ-71	257	5836	1.2	0.3578	5.6	0.0459	1.7	0.30	289.1	4.7	310.6	15.0	474.9	118.4	289.1	4.7
1GRZ-72	354	23164	1.6	0.9979	5.1	0.1145	4.6	0.92	699.0	30.7	702.7	25.6	714.6	42.9	699.0	30.7
1GRZ-73	208	37184	2.3	2.9371	3.6	0.2378	3.1	0.86	1375.2	38.6	1391.5	27.5	1416.7	35.4	1416.7	35.4
1GRZ-74	159	12228	1.1	2.7744	2.7	0.2305	1.0	0.37	1336.9	12.1	1348.7	20.0	1367.4	48.0	1367.4	48.0
1GRZ-75	538	26040	5.3	0.8999	3.8	0.1049	2.8	0.75	643.1	17.3	651.7	18.1	681.3	53.0	643.1	17.3
1GRZ-76	167	16532	1.6	1.7902	2.2	0.1731	1.3	0.59	1029.4	12.6	1041.9	14.5	1068.2	36.0	1068.2	36.0
1GRZ-77	313	3892	1.1	0.2035	3.7	0.0251	2.3	0.61	160.0	3.6	188.1	6.3	556.3	63.7	160.0	3.6
1GRZ-78	147	37348	0.6	6.4688	4.1	0.3615	2.7	0.66	1989.5	46.9	2041.7	36.4	2094.8	54.5	2094.8	54.5
1GRZ-79	377	104740	3.3	5.1065	3.6	0.3284	1.8	0.49	1830.5	28.0	1837.2	30.7	1844.8	57.2	1844.8	57.2
1GRZ-80	210	60628	1.4	3.9085	3.3	0.2766	2.9	0.89	1574.0	40.8	1615.5	26.6	1669.8	27.9	1669.8	27.9
1GRZ-81	300	8072	2.8	0.1742	7.1	0.0246	1.9	0.27	156.5	3.0	163.0	10.8	259.2	158.3	156.5	3.0
1GRZ-82	237	116128	7.6	4.2853	2.6	0.3026	1.0	0.38	1704.3	15.0	1690.5	21.6	1673.5	44.9	1673.5	44.9
1GRZ-83	348	21036	5.4	0.5226	2.9	0.0655	1.0	0.35	408.7	4.0	426.9	10.0	526.4	58.6	408.7	4.0
1GRZ-84	366	83152	2.8	1.8492	4.5	0.1784	2.7	0.61	1058.2	26.5	1063.1	29.5	1073.2	71.3	1073.2	71.3
1GRZ-85	118	34872	3.0	2.4412	2.7	0.2151	1.0	0.37	1255.9	11.4	1254.8	19.6	1252.9	49.5	1252.9	49.5
1GRZ-86	371	73796	1.3	5.0941	2.3	0.3312	2.1	0.90	1844.1	33.5	1835.1	19.7	1825.0	18.1	1825.0	18.1
1GRZ-87	191	37656	1.3	6.3432	2.5	0.3681	2.1	0.86	2020.2	37.1	2024.4	21.7	2028.7	22.1	2028.7	22.1
1GRZ-88	320	6764	1.2	0.2984	10.4	0.0396	8.0	0.76	250.2	19.5	265.1	24.3	399.3	151.2	250.2	19.5

1GRZ-89	111	19148	0.6	5.5337	1.4	0.3413	1.0	0.70	1892.7	16.4	1905.8	12.3	1920.1	18.3	1920.1	18.3
1GRZ-90	81	14148	1.2	2.2971	2.5	0.2030	1.7	0.69	1191.6	18.5	1211.4	17.3	1246.8	34.6	1246.8	34.6
1GRZ-91	551	37556	23.1	0.8628	2.3	0.1023	1.4	0.61	627.6	8.4	631.6	10.9	646.1	39.5	627.6	8.4
1GRZ-92	107	29828	0.7	5.6724	1.8	0.3471	1.3	0.70	1920.5	21.1	1927.2	15.6	1934.3	22.9	1934.3	22.9
1GRZ-93	694	20432	1.5	0.2902	3.7	0.0404	2.0	0.54	255.4	5.0	258.8	8.4	289.4	70.6	255.4	5.0
1GRZ-95	800	53612	1.2	0.5205	3.6	0.0678	3.2	0.89	422.7	13.1	425.5	12.4	440.7	35.4	422.7	13.1
1GRZ-96	266	40904	1.8	2.0629	4.2	0.1892	1.8	0.42	1117.0	18.1	1136.6	28.8	1174.1	75.8	1174.1	75.8
1GRZ-97	132	27048	3.0	1.8584	2.0	0.1774	1.7	0.85	1052.9	16.3	1066.4	13.1	1094.0	21.3	1094.0	21.3
1GRZ-98	190	2644	0.9	0.3672	8.1	0.0386	1.0	0.12	244.1	2.4	317.6	22.2	899.3	166.5	244.1	2.4
1GRZ-99	204	25140	3.3	0.4968	5.1	0.0659	2.9	0.57	411.3	11.5	409.5	17.1	399.2	93.5	411.3	11.5
1GRZ-100	355	89956	3.0	2.6880	2.3	0.2246	1.8	0.79	1306.1	21.6	1325.2	17.1	1356.1	27.4	1356.1	27.4

1GRX-1	108	6154	1.4	1.4454	3.2	0.1468	1.5	0.48	883.1	12.5	908.0	19.0	969.0	56.8	883.1	12.5
1GRX-2	402	49586	2.4	1.8481	6.0	0.1776	5.2	0.87	1053.8	50.3	1062.8	39.4	1081.1	60.0	1081.1	60.0
1GRX-3	96	4886	1.5	0.7528	3.9	0.0920	1.7	0.45	567.4	9.5	569.8	17.0	579.7	75.7	567.4	9.5
1GRX-5	393	17140	1.9	2.8531	4.5	0.2264	3.9	0.87	1315.7	46.8	1369.6	34.0	1454.8	42.6	1454.8	42.6
1GRX-7	99	5136	0.6	0.7465	4.2	0.0935	2.2	0.54	576.4	12.4	566.2	18.1	525.3	76.9	576.4	12.4
1GRX-8	146	25550	2.5	5.2695	2.1	0.3335	1.8	0.87	1855.2	29.2	1863.9	17.7	1873.6	18.1	1873.6	18.1
1GRX-9	662	12666	1.7	0.3273	3.4	0.0459	2.4	0.71	289.4	6.8	287.5	8.5	271.7	54.8	289.4	6.8
1GRX-10	233	28648	1.8	3.0973	2.3	0.2460	1.6	0.70	1417.8	20.1	1432.0	17.3	1453.2	30.5	1453.2	30.5
1GRX-11	200	9298	2.1	2.7120	3.0	0.2165	2.1	0.70	1263.3	24.6	1331.8	22.6	1443.6	41.2	1443.6	41.2
1GRX-12	171	27022	1.0	4.2206	2.6	0.2953	2.2	0.85	1667.7	32.3	1678.0	21.2	1690.9	25.1	1690.9	25.1
1GRX-13	213	6100	0.8	0.3928	5.2	0.0542	3.5	0.67	340.5	11.4	336.4	14.8	308.2	87.7	340.5	11.4
1GRX-14	217	4742	1.1	0.4068	26.0	0.0532	6.4	0.25	334.3	20.9	346.6	76.4	429.9	569.3	334.3	20.9
1GRX-15	276	17330	1.5	2.2222	4.2	0.1955	3.0	0.72	1151.2	31.4	1188.1	29.1	1255.8	56.7	1255.8	56.7
1GRX-16	193	40730	1.8	5.5855	1.7	0.3438	1.0	0.58	1905.1	16.5	1913.9	14.8	1923.3	25.1	1923.3	25.1
1GRX-17	214	17338	2.3	1.9893	2.6	0.1888	1.5	0.57	1114.7	14.8	1111.9	17.3	1106.3	42.1	1106.3	42.1
1GRX-18	273	50946	2.5	7.1424	2.4	0.3854	1.7	0.69	2101.6	29.8	2129.3	21.6	2156.2	30.7	2156.2	30.7
1GRX-19	89	26582	1.3	15.8869	1.7	0.5618	1.0	0.60	2874.0	23.2	2870.0	15.9	2867.2	21.6	2867.2	21.6
1GRX-21	104	20534	0.9	5.7396	2.4	0.3525	1.3	0.55	1946.3	22.5	1937.4	21.0	1927.8	36.2	1927.8	36.2
1GRX-22	185	7054	2.7	2.2220	6.0	0.1988	5.6	0.94	1169.0	59.8	1188.0	41.7	1222.7	40.5	1222.7	40.5
1GRX-23	80	6956	1.4	1.7309	3.6	0.1741	1.4	0.38	1034.8	13.1	1020.1	23.0	988.7	67.2	988.7	67.2
1GRX-24	273	32994	4.5	2.3726	3.1	0.2110	2.6	0.83	1234.3	29.0	1234.4	22.2	1234.5	34.0	1234.5	34.0
1GRX-25	327	9058	1.3	0.4048	3.2	0.0563	1.0	0.31	353.0	3.4	345.1	9.4	292.5	69.7	353.0	3.4
1GRX-26	72	28570	1.7	14.6473	4.5	0.5449	3.9	0.86	2804.0	88.5	2792.6	42.8	2784.4	37.2	2784.4	37.2
1GRX-28	454	12974	1.1	0.4825	2.3	0.0649	1.2	0.54	405.5	4.8	399.8	7.5	367.2	42.8	405.5	4.8
1GRX-29	426	12106	2.1	0.3317	3.8	0.0469	2.8	0.73	295.3	8.1	290.9	9.7	255.6	60.6	295.3	8.1
1GRX-30	738	13218	2.2	0.1888	4.6	0.0277	3.3	0.72	175.9	5.7	175.6	7.4	170.6	73.7	175.9	5.7
1GRX-31	455	15902	3.3	0.9924	1.7	0.1154	1.3	0.79	704.3	8.9	700.0	8.6	686.1	22.2	704.3	8.9
1GRX-32	257	41828	4.1	3.0367	2.3	0.2482	1.6	0.69	1429.0	20.5	1416.9	17.6	1398.7	31.8	1398.7	31.8
1GRX-33	312	43476	3.1	2.6570	1.6	0.2258	1.0	0.63	1312.7	11.9	1316.6	11.8	1323.0	24.0	1323.0	24.0
1GRX-35	402	52268	1.0	3.0566	2.9	0.2500	1.0	0.35	1438.4	12.9	1421.9	22.0	1397.3	51.8	1397.3	51.8
1GRX-36	629	54200	4.0	2.2865	2.9	0.2075	2.7	0.93	1215.3	30.3	1208.1	20.7	1195.3	20.5	1195.3	20.5
1GRX-37	189	35582	2.8	5.1457	1.9	0.3319	1.6	0.85	1847.5	26.3	1843.7	16.3	1839.4	18.1	1839.4	18.1
1GRX-38	311	6002	0.7	0.2405	4.4	0.0341	2.9	0.65	216.3	6.1	218.8	8.7	245.4	77.4	216.3	6.1
1GRX-39	386	10170	3.8	0.2534	3.8	0.0368	2.4	0.64	232.8	5.6	229.3	7.9	193.6	68.5	232.8	5.6
1GRX-40	290	30080	3.7	2.0604	4.9	0.1916	4.8	0.98	1130.2	50.2	1135.8	33.8	1146.4	19.9	1146.4	19.9

1GRX-41	208	6724	1.4	0.5264	3.2	0.0693	2.2	0.70	432.0	9.3	429.4	11.2	415.7	51.0	432.0	9.3
1GRX-42	388	6558	0.5	0.2744	3.3	0.0393	1.0	0.31	248.7	2.4	246.2	7.1	223.1	72.0	248.7	2.4
1GRX-44	605	18034	1.5	0.5229	2.7	0.0680	2.1	0.79	424.4	8.7	427.1	9.4	441.9	36.7	424.4	8.7
1GRX-45	288	24078	1.5	0.7514	2.9	0.0932	1.7	0.60	574.3	9.5	569.0	12.6	548.0	50.6	574.3	9.5
1GRX-47	214	42610	1.9	6.3493	1.8	0.3684	1.5	0.83	2021.6	26.0	2025.3	15.8	2029.0	17.7	2029.0	17.7
1GRX-48	124	15434	2.2	2.8165	3.3	0.2354	2.4	0.73	1362.8	30.0	1359.9	25.0	1355.4	43.8	1355.4	43.8
1GRX-49	776	97006	3.4	4.4787	3.2	0.3071	3.0	0.93	1726.2	45.0	1727.0	26.5	1728.0	21.3	1728.0	21.3
1GRX-50	424	37518	2.3	2.4264	1.9	0.2154	1.4	0.75	1257.7	16.0	1250.5	13.4	1238.0	24.1	1238.0	24.1
1GRX-51	280	20498	1.7	2.2794	1.8	0.2065	1.0	0.57	1210.0	11.0	1205.9	12.5	1198.6	28.7	1198.6	28.7
1GRX-52	434	15422	1.3	0.5581	2.9	0.0734	2.0	0.68	456.7	8.8	450.3	10.7	418.0	48.0	456.7	8.8
1GRX-53	246	9164	2.2	0.4883	4.5	0.0664	2.9	0.64	414.2	11.7	403.7	15.1	344.5	78.3	414.2	11.7
1GRX-54	243	13196	0.8	0.8820	2.1	0.1047	1.1	0.51	642.0	6.6	642.1	10.1	642.3	39.0	642.0	6.6
1GRX-55	160	32318	2.4	6.2107	2.6	0.3673	2.1	0.81	2016.7	36.2	2006.0	22.7	1995.0	27.2	1995.0	27.2
1GRX-56	132	10962	2.3	0.6953	3.4	0.0882	1.0	0.29	544.7	5.2	536.0	14.1	498.7	71.4	544.7	5.2
1GRX-57	165	9526	1.4	0.5975	2.8	0.0772	1.3	0.45	479.3	5.8	475.6	10.5	458.0	54.9	479.3	5.8
1GRX-58	442	58336	2.9	2.1155	3.6	0.1960	3.1	0.86	1153.6	32.9	1153.9	25.0	1154.4	36.7	1154.4	36.7
1GRX-59	235	17158	4.8	0.8739	3.8	0.1032	3.0	0.79	633.0	18.3	637.7	18.1	654.1	50.1	633.0	18.3
1GRX-60	87	20300	1.1	4.0094	2.4	0.2872	1.8	0.74	1627.5	25.3	1636.1	19.3	1647.2	29.4	1647.2	29.4
1GRX-61	267	27108	0.9	4.5151	1.8	0.3090	1.0	0.56	1735.7	15.5	1733.7	15.2	1731.4	27.9	1731.4	27.9
1GRX-62	131	4680	1.9	0.5641	4.0	0.0751	1.0	0.25	467.1	4.5	454.2	14.8	389.3	87.8	467.1	4.5
1GRX-63	172	5438	1.8	0.6127	12.2	0.0768	1.2	0.10	477.2	5.4	485.3	47.0	523.5	266.5	477.2	5.4
1GRX-64	165	23598	2.3	3.6673	1.7	0.2768	1.0	0.59	1575.2	14.0	1564.3	13.5	1549.6	25.8	1549.6	25.8
1GRX-65	923	14754	0.8	0.2626	3.0	0.0379	1.0	0.34	239.5	2.4	236.7	6.3	209.5	64.8	239.5	2.4
1GRX-66	565	4894	4.2	1.9785	3.5	0.1815	3.0	0.88	1075.1	29.9	1108.2	23.3	1173.8	33.1	1173.8	33.1
1GRX-67	246	3270	1.5	0.1829	8.2	0.0277	1.0	0.12	176.3	1.7	170.5	12.8	90.4	192.0	176.3	1.7
1GRX-68	74	6640	0.8	2.6668	6.9	0.2165	1.8	0.27	1263.6	21.0	1319.3	50.7	1411.0	126.7	1411.0	126.7
1GRX-69	160	7296	1.2	0.8521	3.0	0.1028	1.8	0.59	630.7	10.5	625.8	13.8	608.0	51.6	630.7	10.5
1GRX-70	458	15628	0.8	3.7279	4.1	0.2657	3.2	0.79	1518.7	43.4	1577.4	32.5	1656.8	46.1	1656.8	46.1
1GRX-71	100	4982	1.3	0.6931	3.9	0.0889	1.9	0.49	548.8	9.9	534.6	16.1	474.7	74.5	548.8	9.9
1GRX-72	642	3614	3.5	2.4226	8.1	0.1864	3.5	0.43	1101.8	35.3	1249.3	58.6	1513.4	139.1	1513.4	139.1
1GRX-73	101	11978	2.0	1.7999	3.8	0.1776	2.2	0.58	1054.0	21.3	1045.4	24.7	1027.5	62.4	1027.5	62.4
1GRX-74	543	9704	1.9	0.2760	1.6	0.0396	1.0	0.61	250.1	2.5	247.5	3.6	223.4	29.7	250.1	2.5
1GRX-75	239	12956	4.5	0.8450	3.2	0.1014	2.8	0.87	622.5	16.5	621.9	14.9	619.9	34.4	622.5	16.5
1GRX-76	331	48934	2.9	3.7139	2.1	0.2775	1.7	0.81	1578.7	23.9	1574.4	16.9	1568.5	23.1	1568.5	23.1
1GRX-77	545	57180	1.2	7.1704	3.3	0.3842	2.7	0.80	2095.8	47.4	2132.8	29.4	2168.7	34.3	2168.7	34.3
1GRX-80	96	6096	1.1	2.1278	3.3	0.1990	2.6	0.79	1169.9	27.5	1157.9	22.6	1135.4	40.2	1135.4	40.2
1GRX-81	278	39928	3.1	3.4941	2.5	0.2670	1.5	0.59	1525.7	19.8	1525.9	19.6	1526.1	37.7	1526.1	37.7
1GRX-82	184	24164	1.7	3.4365	1.8	0.2649	1.0	0.54	1514.8	13.5	1512.8	14.5	1509.9	29.3	1509.9	29.3
1GRX-83	867	15564	2.2	0.3463	4.3	0.0484	3.2	0.75	304.4	9.5	301.9	11.1	282.6	64.6	304.4	9.5
1GRX-84	248	8524	2.3	0.5111	3.3	0.0675	2.4	0.72	420.8	9.8	419.2	11.5	410.2	51.7	420.8	9.8
1GRX-85	182	23802	2.2	5.6306	4.4	0.3199	3.5	0.79	1789.0	54.4	1920.8	38.0	2066.2	47.5	2066.2	47.5
1GRX-86	205	38714	2.3	3.5742	2.4	0.2717	1.0	0.42	1549.4	13.8	1543.8	19.1	1536.1	41.2	1536.1	41.2
1GRX-87	301	12034	0.9	0.5071	3.0	0.0666	2.6	0.85	415.7	10.3	416.5	10.2	420.8	35.2	415.7	10.3
1GRX-88	500	16832	8.7	0.4956	3.3	0.0661	2.6	0.77	412.5	10.2	408.7	11.2	387.2	47.7	412.5	10.2
1GRX-89	814	4180	1.1	0.5356	4.6	0.0631	2.7	0.58	394.5	10.1	435.5	16.2	658.6	79.7	394.5	10.1
1GRX-90	130	22064	1.1	4.4206	3.9	0.3014	3.7	0.95	1698.3	55.2	1716.2	32.4	1738.2	23.3	1738.2	23.3
1GRX-91	276	3764	1.3	0.5884	10.7	0.0694	1.0	0.09	432.4	4.2	469.9	40.3	657.2	229.3	432.4	4.2

1GRX-92	569	12680	1.4	0.2715	4.0	0.0391	2.7	0.66	247.2	6.5	243.9	8.7	211.6	70.1	247.2	6.5
1GRX-93	172	38696	1.0	15.5982	3.0	0.5513	2.0	0.66	2830.4	45.6	2852.5	28.6	2868.2	36.4	2868.2	36.4
1GRX-94	203	28382	2.4	4.1834	2.0	0.2782	1.0	0.50	1582.1	14.0	1670.8	16.4	1784.1	31.6	1784.1	31.6
1GRX-95	269	51236	4.7	6.0977	2.2	0.3597	1.5	0.69	1980.6	25.7	1989.9	19.0	1999.6	27.9	1999.6	27.9
1GRX-96	134	6974	1.1	0.6591	13.9	0.0836	13.5	0.98	517.6	67.2	514.1	55.9	498.4	66.5	517.6	67.2
1GRX-97	20	4610	0.9	5.2352	4.3	0.3353	2.8	0.65	1863.9	44.8	1858.4	36.4	1852.2	58.7	1852.2	58.7
1GRX-98	186	33014	1.5	14.3821	2.9	0.5145	1.0	0.34	2676.0	21.9	2775.2	27.6	2848.2	44.5	2848.2	44.5
1GRX-99	251	36854	2.3	3.9574	3.2	0.2752	2.2	0.71	1567.3	31.2	1625.5	25.6	1701.7	40.9	1701.7	40.9
1GRX-100	450	22374	1.4	1.8765	3.2	0.1730	1.7	0.53	1028.5	16.2	1072.8	21.2	1164.0	53.6	1164.0	53.6

1GR100-1	71	8241	1.4	8.8680	1.4	0.4301	1.0	0.70	2306.0	19.4	2324.5	13.0	2340.8	17.3	2340.8	17.3
1GR100-2	203	9468	1.4	2.0978	2.5	0.1933	1.0	0.39	1139.0	10.4	1148.1	17.5	1165.2	46.4	1165.2	46.4
1GR100-3	24	2489	0.6	6.3547	4.2	0.3684	4.0	0.96	2021.8	69.9	2026.0	36.8	2030.4	20.3	2030.4	20.3
1GR100-4	463	31370	2.4	3.1764	2.5	0.2519	2.0	0.77	1448.2	25.4	1451.4	19.5	1456.2	30.4	1456.2	30.4
1GR100-5	46	5646	1.3	5.0655	4.8	0.3264	4.4	0.92	1820.8	69.8	1830.3	40.7	1841.2	34.4	1841.2	34.4
1GR100-6	95	1099	1.5	0.2955	17.9	0.0417	1.5	0.08	263.3	3.9	262.9	41.5	259.5	412.4	263.3	3.9
1GR100-7	89	429	2.6	0.1576	12.7	0.0261	2.7	0.21	166.4	4.4	148.6	17.6	-126.5	308.1	166.4	4.4
1GR100-8	168	16995	2.4	4.8117	1.9	0.3211	1.6	0.81	1795.2	24.6	1787.0	16.3	1777.3	20.6	1777.3	20.6
1GR100-9	346	2557	1.7	0.1697	3.9	0.0250	3.3	0.85	159.4	5.2	159.2	5.8	154.9	48.0	159.4	5.2
1GR100-10	91	13139	1.4	12.9745	1.5	0.5149	1.1	0.70	2677.7	23.2	2677.8	14.3	2677.9	17.9	2677.9	17.9
1GR100-11	35	3103	0.6	6.1598	3.3	0.3532	3.0	0.90	1950.0	49.6	1998.8	28.7	2049.6	25.6	2049.6	25.6
1GR100-12	233	1540	3.4	0.1594	6.0	0.0241	4.2	0.70	153.4	6.4	150.2	8.4	99.6	101.8	153.4	6.4
1GR100-13	214	20294	1.7	5.1079	3.8	0.3242	3.3	0.87	1810.3	51.9	1837.4	32.2	1868.2	33.9	1868.2	33.9
1GR100-14	156	11507	1.2	6.5676	4.9	0.3657	3.6	0.74	2009.4	62.3	2055.0	42.9	2101.1	57.3	2101.1	57.3
1GR100-15	298	19080	3.3	4.1397	3.9	0.2869	3.7	0.96	1625.8	53.2	1662.2	31.5	1708.4	19.8	1708.4	19.8
1GR100-16	90	19733	1.9	6.8103	2.7	0.3807	1.9	0.73	2079.5	34.3	2087.1	23.6	2094.5	32.2	2094.5	32.2
1GR100-18	204	8534	2.7	5.2174	5.6	0.3240	4.5	0.80	1809.2	70.5	1855.5	47.9	1907.7	61.1	1907.7	61.1
1GR100-19	142	894	2.8	0.1509	12.0	0.0248	3.0	0.25	158.1	4.7	142.7	16.0	-105.8	287.9	158.1	4.7
1GR100-20	30	1108	1.4	1.6607	4.0	0.1694	3.0	0.75	1008.6	28.4	993.6	25.6	960.7	54.4	960.7	54.4
1GR100-21	92	6932	1.1	6.5438	3.3	0.3735	2.4	0.74	2046.0	42.6	2051.8	28.9	2057.6	38.9	2057.6	38.9
1GR100-23	702	936	0.9	0.2054	19.2	0.0268	1.3	0.07	170.3	2.2	189.7	33.2	437.5	429.0	170.3	2.2
1GR100-25	192	14080	1.7	4.9867	3.2	0.3179	3.0	0.92	1779.3	46.0	1817.1	27.2	1860.7	22.6	1860.7	22.6
1GR100-26	284	476	1.0	0.1462	21.3	0.0221	6.1	0.29	141.1	8.5	138.5	27.6	95.2	486.8	141.1	8.5
1GR100-27	24	1514	0.9	4.1998	3.0	0.2960	1.5	0.49	1671.5	21.6	1674.0	24.8	1677.2	48.8	1677.2	48.8
1GR100-28	191	13393	1.1	4.7816	2.9	0.3127	2.0	0.69	1754.2	30.1	1781.7	24.0	1814.0	37.8	1814.0	37.8
1GR100-29	242	21339	0.6	6.2354	2.7	0.3537	1.9	0.70	1952.4	32.2	2009.4	24.0	2068.5	34.7	2068.5	34.7
1GR100-30	257	1491	1.1	0.1643	3.8	0.0249	2.1	0.55	158.4	3.3	154.5	5.5	94.3	75.9	158.4	3.3
1GR100-31	80	6250	1.3	3.0189	2.5	0.2454	1.5	0.61	1414.7	19.1	1412.4	18.9	1408.9	37.8	1408.9	37.8
1GR100-32	173	12555	0.4	4.6686	2.5	0.3092	1.2	0.46	1737.0	17.8	1761.6	21.1	1791.0	40.6	1791.0	40.6
1GR100-33	48	4367	1.0	4.7814	4.2	0.3189	2.4	0.56	1784.5	36.6	1781.6	35.5	1778.2	64.2	1778.2	64.2
1GR100-34	102	11882	2.1	6.4049	4.6	0.3659	4.0	0.87	2010.2	69.4	2032.9	40.8	2056.1	41.0	2056.1	41.0
1GR100-35	564	4846	1.7	0.2931	3.5	0.0417	2.6	0.74	263.3	6.6	261.0	8.0	240.1	54.5	263.3	6.6
1GR100-36	68	9921	0.7	12.3966	3.4	0.4929	3.2	0.93	2583.4	67.7	2634.9	32.2	2674.7	21.0	2674.7	21.0
1GR100-37	240	22070	1.5	5.6568	3.4	0.3358	3.2	0.95	1866.6	51.7	1924.8	28.9	1988.1	18.4	1988.1	18.4
1GR100-38	91	7540	1.6	4.5170	3.1	0.3018	2.8	0.90	1700.2	41.2	1734.1	25.6	1775.2	25.1	1775.2	25.1
1GR100-39	238	5744	0.9	0.8799	3.0	0.1042	2.8	0.94	639.1	17.0	640.9	14.2	647.3	22.5	639.1	17.0
1GR100-40	105	10765	1.1	4.8703	2.3	0.3138	2.1	0.89	1759.5	32.0	1797.1	19.8	1841.0	19.6	1841.0	19.6

1GR100-41	395	2049	1.6	0.1748	4.3	0.0267	1.7	0.40	169.7	2.9	163.6	6.6	75.9	94.4	169.7	2.9
1GR100-42	316	1905	1.1	0.1665	3.1	0.0247	2.6	0.86	157.1	4.1	156.4	4.4	145.0	37.0	157.1	4.1
1GR100-43	381	2228	1.2	0.1469	5.6	0.0229	2.1	0.38	145.7	3.0	139.2	7.2	30.6	123.8	145.7	3.0
1GR100-44	503	4171	3.9	0.1654	3.2	0.0248	1.0	0.32	158.1	1.6	155.4	4.6	114.4	70.7	158.1	1.6
1GR100-45	37	3292	2.6	4.7731	3.1	0.3177	2.9	0.95	1778.4	45.4	1780.2	25.9	1782.3	18.4	1782.3	18.4
1GR100-46	282	1523	3.3	0.1599	4.3	0.0244	1.7	0.38	155.7	2.5	150.6	6.0	72.0	94.4	155.7	2.5
1GR100-47	7	940	####	5.5851	5.6	0.3549	1.3	0.24	1957.9	22.1	1913.8	48.0	1866.3	97.8	1866.3	97.8
1GR100-48	174	15219	1.4	4.9809	1.9	0.3213	1.6	0.85	1795.8	25.2	1816.1	16.0	1839.4	18.1	1839.4	18.1
1GR100-49	115	14899	2.6	6.6361	2.3	0.3689	2.0	0.90	2024.2	35.1	2064.2	19.9	2104.3	17.6	2104.3	17.6
1GR100-50	270	2740	2.2	0.1780	4.5	0.0266	2.1	0.46	169.3	3.4	166.3	6.9	123.9	94.1	169.3	3.4
1GR100-51	152	2376	1.5	0.1947	6.3	0.0297	1.0	0.16	188.7	1.9	180.6	10.5	76.0	148.8	188.7	1.9
1GR100-52	287	4595	15.7	0.1798	2.8	0.0266	1.6	0.55	169.0	2.6	167.9	4.4	152.0	55.4	169.0	2.6
1GR100-53	481	6871	2.4	0.1720	16.4	0.0251	8.7	0.53	160.1	13.7	161.1	24.4	175.8	325.1	160.1	13.7
1GR100-54	155	1197	2.9	0.1576	6.2	0.0243	1.6	0.26	154.6	2.5	148.6	8.6	52.9	143.0	154.6	2.5
1GR100-55	81	9291	1.6	6.5149	2.4	0.3668	2.2	0.91	2014.1	37.9	2047.9	21.2	2082.1	17.7	2082.1	17.7
1GR100-56	595	7679	3.2	0.1753	3.6	0.0261	1.7	0.48	166.1	2.8	164.0	5.4	133.3	74.3	166.1	2.8
1GR100-57	180	2004	2.1	0.1788	8.0	0.0270	2.0	0.25	171.8	3.4	167.0	12.4	100.3	184.2	171.8	3.4
1GR100-58	336	3184	2.1	0.1850	3.4	0.0276	1.5	0.45	175.4	2.7	172.4	5.4	130.6	72.3	175.4	2.7
1GR100-59	126	17354	1.6	5.4226	3.6	0.3424	3.4	0.95	1898.2	56.1	1888.4	30.7	1877.7	19.9	1877.7	19.9
1GR100-60	207	2130	1.3	0.1659	4.6	0.0253	2.0	0.44	160.8	3.2	155.9	6.6	81.9	97.7	160.8	3.2
1GR100-62	148	19988	1.7	6.0656	2.7	0.3525	2.2	0.82	1946.7	37.1	1985.3	23.5	2025.7	27.3	2025.7	27.3
1GR100-63	168	22952	0.6	5.8905	4.5	0.3500	4.3	0.97	1934.8	72.5	1959.8	38.8	1986.4	18.7	1986.4	18.7
1GR100-64	128	15971	3.2	5.0863	2.6	0.3244	2.4	0.92	1811.4	37.4	1833.8	21.8	1859.4	18.1	1859.4	18.1
1GR100-65	106	17161	1.6	13.6111	2.2	0.5170	1.9	0.89	2686.6	42.6	2723.0	20.7	2750.2	16.5	2750.2	16.5
1GR100-66	302	28797	1.1	4.9399	3.0	0.3205	2.3	0.77	1792.0	36.5	1809.1	25.4	1828.8	34.5	1828.8	34.5
1GR100-67	119	15284	0.8	13.6965	2.9	0.5280	1.2	0.41	2733.0	27.0	2729.0	27.7	2725.9	44.0	2725.9	44.0
1GR100-68	96	12940	2.4	11.8029	2.3	0.4932	1.2	0.51	2584.6	24.7	2588.9	21.5	2592.2	33.0	2592.2	33.0
1GR100-69	157	12667	2.4	5.1372	3.0	0.3320	1.4	0.47	1848.3	22.8	1842.3	25.6	1835.5	48.0	1835.5	48.0
1GR100-70	37	4248	0.6	5.0821	2.4	0.3298	2.1	0.89	1837.4	34.2	1833.1	20.3	1828.3	19.5	1828.3	19.5
1GR100-71	132	5770	0.8	1.7872	3.4	0.1767	1.7	0.50	1048.8	16.1	1040.8	21.8	1024.0	58.9	1024.0	58.9
1GR100-72	384	2689	3.9	0.2853	4.7	0.0413	1.0	0.21	260.7	2.6	254.9	10.7	201.7	107.6	260.7	2.6
1GR100-73	303	754	1.3	0.1707	6.4	0.0262	1.4	0.22	166.5	2.3	160.1	9.5	65.7	148.5	166.5	2.3
1GR100-74	39	4066	1.4	5.3317	5.3	0.3341	1.6	0.29	1858.3	25.3	1874.0	45.6	1891.3	91.7	1891.3	91.7
1GR100-75	82	8835	1.8	5.0522	3.7	0.3296	2.1	0.57	1836.4	33.4	1828.1	31.1	1818.6	54.8	1818.6	54.8
1GR100-76	91	13206	1.7	5.1751	2.6	0.3356	1.0	0.38	1865.5	16.2	1848.5	22.2	1829.5	43.7	1829.5	43.7
1GR100-77	154	24053	3.5	5.2384	4.2	0.3378	2.6	0.61	1876.2	42.5	1858.9	36.2	1839.6	60.7	1839.6	60.7
1GR100-78	38	5996	1.0	6.9566	2.2	0.3879	1.0	0.45	2112.9	18.0	2105.9	19.8	2099.1	35.0	2099.1	35.0
1GR100-79	248	13335	2.1	1.5394	1.8	0.1549	1.1	0.58	928.5	9.3	946.3	11.4	987.7	30.7	928.5	9.3
1GR100-80	164	29266	2.0	11.5492	1.8	0.4925	1.0	0.56	2581.3	21.3	2568.6	16.8	2558.5	24.9	2558.5	24.9
1GR100-81	589	4335	2.5	0.1570	5.8	0.0233	5.2	0.90	148.7	7.6	148.1	7.9	138.5	59.1	148.7	7.6
1GR100-82	224	28476	1.8	11.4397	2.8	0.4783	2.2	0.80	2519.6	46.5	2559.7	26.1	2591.5	28.2	2591.5	28.2
1GR100-83	92	11528	2.8	14.5870	3.9	0.5426	3.6	0.93	2794.3	82.5	2788.7	37.3	2784.6	24.1	2784.6	24.1
1GR100-85	114	9903	1.0	4.8979	4.7	0.3163	4.2	0.90	1771.8	65.4	1801.9	39.7	1836.9	37.5	1836.9	37.5
1GR100-86	73	9615	1.2	5.0429	3.0	0.3307	1.1	0.35	1841.5	17.3	1826.6	25.8	1809.5	51.8	1809.5	51.8
1GR100-87	208	24161	2.1	5.0467	2.1	0.3259	1.0	0.48	1818.5	15.8	1827.2	17.6	1837.1	33.0	1837.1	33.0
1GR100-88	164	10122	2.8	2.0173	4.4	0.1909	3.8	0.87	1126.4	39.4	1121.4	29.8	1111.7	43.8	1111.7	43.8
1GR100-89	56	13153	2.1	12.5846	3.0	0.5085	1.0	0.33	2650.0	21.7	2649.1	28.2	2648.3	47.0	2648.3	47.0

1GR100-90	57	439	1.4	0.1256	27.4	0.0242	2.1	0.08	154.0	3.3	120.1	31.1	-509.1	740.7	154.0	3.3
1GR100-91	766	5544	4.3	0.1666	2.9	0.0250	1.0	0.34	159.5	1.6	156.5	4.2	111.0	64.3	159.5	1.6
1GR100-92	90	1551	0.7	1.8201	6.3	0.1701	4.6	0.72	1012.7	42.6	1052.7	41.6	1136.7	88.0	1136.7	88.0
1GR100-93	77	9811	1.5	5.3296	2.0	0.3349	1.0	0.49	1862.2	16.2	1873.6	17.4	1886.2	31.9	1886.2	31.9
1GR100-94	92	17710	1.4	13.9823	2.2	0.5224	1.0	0.45	2709.3	22.1	2748.5	20.9	2777.4	32.1	2777.4	32.1
1GR100-95	35	3486	0.6	4.6972	3.2	0.3092	1.9	0.59	1737.0	28.8	1766.7	26.7	1802.0	46.6	1802.0	46.6
1GR100-96	1531	9276	8.3	0.1693	3.2	0.0252	1.0	0.31	160.7	1.6	158.8	4.7	130.5	71.0	160.7	1.6
1GR100-97	175	17291	2.1	5.0390	3.4	0.3229	2.2	0.64	1803.9	34.5	1825.9	29.1	1851.0	47.8	1851.0	47.8
1GR100-98	159	18773	2.7	5.0554	2.1	0.3251	1.6	0.77	1814.4	25.0	1828.7	17.5	1844.9	23.9	1844.9	23.9
1GR100-99	136	10264	0.7	11.0094	5.7	0.4385	3.4	0.60	2343.8	66.8	2523.9	53.1	2672.1	75.9	2672.1	75.9
1GR100-100	103	12933	1.3	5.0654	2.8	0.3304	1.0	0.36	1840.4	16.0	1830.3	23.6	1818.8	47.1	1818.8	47.1

1SFSR1-1	64	7546	1.5	5.7974	6.1	0.3476	4.0	0.66	1923.1	66.5	1946.0	52.9	1970.5	82.2	1970.5	82.2
1SFSR1-2	158	3448	1.1	0.2708	5.8	0.0397	1.4	0.24	251.0	3.4	243.3	12.7	169.9	132.7	251.0	3.4
1SFSR1-3	282	5922	1.0	0.1722	6.2	0.0264	3.7	0.59	167.8	6.1	161.3	9.3	67.1	119.6	167.8	6.1
1SFSR1-4	124	23760	1.2	5.1523	2.9	0.3322	2.6	0.92	1849.2	42.3	1844.8	24.3	1839.8	20.0	1839.8	20.0
1SFSR1-5	52	14734	1.1	13.7679	2.5	0.5270	2.2	0.90	2728.8	49.8	2733.9	23.5	2737.6	17.8	2737.6	17.8
1SFSR1-6	86	22670	0.9	5.5117	2.8	0.3408	2.6	0.92	1890.7	41.8	1902.4	23.8	1915.3	19.5	1915.3	19.5
1SFSR1-7	536	2846	3.0	0.2000	6.7	0.0278	3.1	0.47	177.0	5.5	185.1	11.4	290.0	135.9	177.0	5.5
1SFSR1-8	159	34842	3.8	5.6698	2.4	0.3505	1.2	0.50	1936.9	19.9	1926.8	20.4	1915.9	36.6	1915.9	36.6
1SFSR1-9	1082	1068	1.5	0.2096	7.6	0.0238	3.0	0.39	151.5	4.5	193.2	13.4	739.2	148.7	151.5	4.5
1SFSR1-10	369	8882	2.1	0.1851	3.6	0.0273	2.1	0.58	173.6	3.6	172.5	5.7	157.6	68.1	173.6	3.6
1SFSR1-11	65	32368	1.4	14.1030	1.8	0.5342	1.0	0.56	2759.0	22.4	2756.7	17.0	2754.9	24.5	2754.9	24.5
1SFSR1-13	237	6428	2.9	0.1685	10.4	0.0258	1.8	0.18	164.4	3.0	158.1	15.3	65.0	244.6	164.4	3.0
1SFSR1-14	19	9292	3.1	17.9215	2.4	0.5900	1.2	0.49	2989.3	28.5	2985.5	23.2	2983.0	33.8	2983.0	33.8
1SFSR1-15	155	16190	0.9	11.1290	4.0	0.4184	2.3	0.58	2253.1	44.3	2534.0	37.3	2767.2	53.5	2767.2	53.5
1SFSR1-16	130	50670	1.7	5.0842	2.9	0.3244	1.4	0.49	1811.2	22.6	1833.5	24.5	1858.9	45.4	1858.9	45.4
1SFSR1-17	366	11098	2.1	0.1761	5.4	0.0269	1.6	0.30	170.9	2.7	164.7	8.3	75.7	123.3	170.9	2.7
1SFSR1-18	161	28840	2.7	4.7133	5.3	0.2978	4.0	0.74	1680.3	58.6	1769.6	44.7	1876.7	64.4	1876.7	64.4
1SFSR1-19	273	16668	1.8	0.2778	4.1	0.0388	1.7	0.42	245.3	4.1	248.9	9.0	283.2	84.8	245.3	4.1
1SFSR1-20	342	166728	3.1	12.0466	3.2	0.4894	1.8	0.57	2568.1	38.3	2608.0	30.0	2639.2	43.9	2639.2	43.9
1SFSR1-21	312	68438	1.9	4.8517	1.5	0.3187	1.0	0.67	1783.3	15.6	1793.9	12.5	1806.3	20.0	1806.3	20.0
1SFSR1-22	130	17796	1.7	1.9370	2.8	0.1866	1.8	0.62	1103.0	17.8	1094.0	19.1	1075.9	45.0	1075.9	45.0
1SFSR1-23	103	42656	1.6	19.9113	3.4	0.6059	2.9	0.86	3053.6	70.1	3087.1	32.4	3108.9	27.4	3108.9	27.4
1SFSR1-24	33	8074	1.0	5.1341	2.9	0.3320	1.0	0.35	1848.1	16.1	1841.8	24.5	1834.6	49.0	1834.6	49.0
1SFSR1-25	78	9702	2.2	1.9912	3.3	0.1858	2.6	0.80	1098.5	26.7	1112.5	22.3	1140.0	39.3	1140.0	39.3
1SFSR1-26	660	13032	1.6	0.1771	2.8	0.0262	1.9	0.69	166.6	3.2	165.6	4.3	150.4	47.0	166.6	3.2
1SFSR1-27	131	39640	1.3	5.8950	1.7	0.3553	1.0	0.60	1959.8	16.9	1960.5	14.6	1961.2	24.1	1961.2	24.1
1SFSR1-28	208	7254	1.6	0.1643	5.7	0.0247	1.0	0.17	157.1	1.6	154.4	8.2	113.2	133.0	157.1	1.6
1SFSR1-29	146	65058	1.9	12.1297	2.0	0.4998	1.0	0.49	2612.8	21.5	2614.5	19.0	2615.8	29.3	2615.8	29.3
1SFSR1-30	1058	12726	1.5	0.1929	5.6	0.0270	2.1	0.37	171.9	3.5	179.1	9.2	276.0	118.8	171.9	3.5
1SFSR1-31	71	12534	1.1	2.6162	4.2	0.2156	3.4	0.81	1258.8	38.9	1305.2	31.0	1382.2	47.8	1382.2	47.8
1SFSR1-32	101	4562	1.5	0.2594	7.7	0.0394	2.6	0.34	249.0	6.3	234.2	16.1	88.4	171.6	249.0	6.3
1SFSR1-33	350	7876	18.8	0.1812	4.4	0.0260	2.7	0.62	165.5	4.4	169.1	6.8	219.1	79.2	165.5	4.4
1SFSR1-34	61	19626	0.8	5.0064	2.2	0.3176	1.9	0.85	1777.9	29.2	1820.4	18.7	1869.4	21.0	1869.4	21.0
1SFSR1-35	127	34348	3.1	3.3937	4.0	0.2568	3.8	0.94	1473.4	49.7	1502.9	31.6	1544.8	26.5	1544.8	26.5
1SFSR1-36	107	30504	1.4	5.5872	2.9	0.3432	2.5	0.86	1902.3	41.2	1914.1	24.9	1927.0	26.0	1927.0	26.0

1SFSR1-37	66	14680	0.8	5.3218	2.7	0.3349	1.0	0.37	1862.1	16.5	1872.4	23.3	1883.8	45.5	1883.8	45.5
1SFSR1-38	137	36736	1.5	6.0931	2.5	0.3626	1.3	0.51	1994.7	22.1	1989.3	22.0	1983.6	38.6	1983.6	38.6
1SFSR1-39	723	11584	1.9	0.1829	3.7	0.0273	1.0	0.27	173.7	1.7	170.6	5.8	127.0	83.4	173.7	1.7
1SFSR1-40	57	17428	1.6	4.7107	1.9	0.3152	1.0	0.54	1766.4	15.5	1769.1	15.5	1772.4	28.5	1772.4	28.5
1SFSR1-41	204	63608	2.3	5.2521	2.3	0.3375	1.7	0.72	1874.4	27.3	1861.1	20.0	1846.3	29.7	1846.3	29.7
1SFSR1-42	250	61422	1.7	5.4736	1.5	0.3415	1.0	0.65	1893.9	16.4	1896.5	13.3	1899.3	21.2	1899.3	21.2
1SFSR1-43	274	59112	4.6	2.5056	1.6	0.2185	1.2	0.76	1274.2	13.8	1273.7	11.3	1272.8	19.6	1272.8	19.6
1SFSR1-44	43	13174	1.1	5.7891	3.1	0.3522	2.5	0.80	1944.9	41.3	1944.8	26.6	1944.7	32.8	1944.7	32.8
1SFSR1-45	328	92302	4.1	5.3643	3.1	0.3409	2.4	0.77	1890.9	39.5	1879.2	26.8	1866.2	35.9	1866.2	35.9
1SFSR1-46	60	26526	1.1	6.7579	2.8	0.3831	1.3	0.45	2090.5	22.7	2080.2	24.8	2070.0	44.1	2070.0	44.1
1SFSR1-47	425	90838	12.8	1.5673	2.5	0.1558	1.8	0.71	933.4	15.6	957.3	15.6	1012.7	35.9	1012.7	35.9
1SFSR1-48	92	35878	2.6	10.8460	3.1	0.4687	2.2	0.71	2477.7	44.6	2510.0	28.6	2536.3	36.6	2536.3	36.6
1SFSR1-50	85	25242	1.2	4.9463	2.8	0.3226	1.9	0.68	1802.2	29.7	1810.2	23.6	1819.4	37.4	1819.4	37.4
1SFSR1-51	160	33384	1.9	3.1519	2.2	0.2533	1.3	0.62	1455.7	17.5	1445.5	16.8	1430.4	32.7	1430.4	32.7
1SFSR1-52	29	8136	1.0	6.5889	3.5	0.3783	2.7	0.76	2068.5	46.9	2057.9	30.9	2047.2	40.5	2047.2	40.5
1SFSR1-53	113	24114	1.3	5.0701	2.1	0.3239	1.2	0.55	1809.0	18.1	1831.1	17.8	1856.4	31.6	1856.4	31.6
1SFSR1-54	104	35388	1.2	12.8508	2.5	0.5070	1.1	0.45	2643.9	24.3	2668.8	23.6	2687.6	37.0	2687.6	37.0
1SFSR1-55	68	16580	1.0	5.1711	1.4	0.3326	1.0	0.70	1851.1	16.1	1847.9	12.1	1844.2	18.2	1844.2	18.2
1SFSR1-56	125	29510	1.5	3.9529	2.5	0.2864	1.0	0.40	1623.5	14.4	1624.6	20.2	1626.0	42.4	1626.0	42.4
1SFSR1-57	220	48424	0.6	5.4191	3.0	0.3417	2.8	0.94	1895.1	45.6	1887.9	25.3	1880.0	18.0	1880.0	18.0
1SFSR1-58	410	61076	1.5	11.9660	2.1	0.4636	1.0	0.47	2455.6	20.4	2601.7	20.0	2717.6	31.0	2717.6	31.0
1SFSR1-59	103	30674	2.9	6.5272	2.7	0.3760	1.0	0.37	2057.7	17.6	2049.6	24.1	2041.4	45.1	2041.4	45.1
1SFSR1-60	172	3056	1.5	0.1284	9.4	0.0209	1.3	0.14	133.5	1.8	122.6	10.8	-84.4	227.3	133.5	1.8
1SFSR1-61	217	13472	1.2	0.6821	3.3	0.0847	1.3	0.40	524.3	6.6	528.0	13.5	543.9	65.6	524.3	6.6
1SFSR1-62	83	16910	1.8	5.0144	4.9	0.3219	4.7	0.97	1798.9	74.4	1821.8	41.4	1848.0	21.2	1848.0	21.2
1SFSR1-63	53	16240	1.1	4.8200	3.3	0.3189	3.1	0.95	1784.4	48.8	1788.4	27.8	1793.0	19.2	1793.0	19.2
1SFSR1-64	233	4752	1.0	0.1739	6.9	0.0272	2.2	0.31	172.9	3.7	162.8	10.3	17.2	156.7	172.9	3.7
1SFSR1-65	105	11716	1.7	1.9241	4.7	0.1863	3.1	0.66	1101.5	31.5	1089.5	31.6	1065.5	71.7	1065.5	71.7
1SFSR1-66	302	21506	3.5	4.6565	3.0	0.3098	1.7	0.58	1739.6	26.4	1759.5	25.1	1783.1	44.9	1783.1	44.9
1SFSR1-67	157	68280	2.6	5.5737	3.7	0.3508	1.8	0.49	1938.4	30.3	1912.0	31.7	1883.5	57.7	1883.5	57.7
1SFSR1-68	136	17428	1.1	1.7970	1.8	0.1763	1.1	0.61	1046.5	10.9	1044.4	12.0	1039.9	29.5	1039.9	29.5
1SFSR1-69	93	30806	1.4	5.0119	2.7	0.3259	1.5	0.55	1818.6	23.6	1821.3	23.0	1824.4	41.2	1824.4	41.2
1SFSR1-70	305	3196	1.6	0.1748	15.8	0.0242	2.2	0.14	154.0	3.3	163.6	23.8	304.4	357.6	154.0	3.3
1SFSR1-71	23	5482	0.5	5.0505	2.5	0.3258	1.0	0.40	1817.8	15.8	1827.8	20.9	1839.3	40.9	1839.3	40.9
1SFSR1-72	151	2318	1.1	0.1717	26.5	0.0234	3.4	0.13	149.0	5.0	160.9	39.5	339.7	605.4	149.0	5.0
1SFSR1-73	140	40350	3.1	4.6425	1.7	0.3038	1.0	0.58	1710.3	15.0	1756.9	14.4	1812.8	25.6	1812.8	25.6
1SFSR1-74	223	69686	2.1	11.6323	2.5	0.4639	2.3	0.90	2456.9	46.8	2575.3	23.8	2669.8	18.2	2669.8	18.2
1SFSR1-75	151	23406	2.3	1.7917	2.3	0.1751	1.5	0.67	1040.2	14.8	1042.4	14.9	1047.1	34.0	1047.1	34.0
1SFSR1-76	66	21120	1.3	5.4682	2.5	0.3406	1.3	0.54	1889.4	21.9	1895.6	21.2	1902.4	37.2	1902.4	37.2
1SFSR1-77	154	36832	1.8	5.5303	2.1	0.3367	1.9	0.88	1871.0	30.5	1905.3	18.3	1942.9	17.9	1942.9	17.9
1SFSR1-78	216	45332	2.0	4.1895	2.5	0.2980	1.3	0.54	1681.3	19.8	1672.0	20.3	1660.2	38.5	1660.2	38.5
1SFSR1-79	133	26924	3.8	3.0745	3.0	0.2486	2.7	0.89	1431.1	34.3	1426.4	23.0	1419.2	26.4	1419.2	26.4
1SFSR1-80	301	21640	1.4	0.6704	4.1	0.0842	3.8	0.93	521.1	19.0	520.9	16.6	520.4	32.6	521.1	19.0
1SFSR1-81	29	8220	0.6	5.0248	4.0	0.3258	3.5	0.87	1817.9	55.0	1823.5	33.7	1829.9	35.2	1829.9	35.2
1SFSR1-82	24	9376	36.9	4.8516	4.1	0.3169	2.2	0.55	1774.5	34.7	1793.9	34.1	1816.4	61.3	1816.4	61.3
1SFSR1-83	41	17712	1.2	6.5745	2.0	0.3706	1.3	0.66	2032.3	22.5	2055.9	17.3	2079.7	26.1	2079.7	26.1
1SFSR1-84	18	6158	0.9	5.7095	3.0	0.3476	1.1	0.35	1923.0	17.5	1932.8	25.7	1943.3	49.7	1943.3	49.7
1SFSR1-85	147	43128	1.3	5.6394	1.5	0.3414	1.2	0.76	1893.5	19.0	1922.1	13.2	1953.2	17.9	1953.2	17.9
1SFSR1-86	169	49490	2.1	4.7807	3.5	0.3147	3.1	0.89	1763.6	47.7	1781.5	29.2	1802.6	28.9	1802.6	28.9
1SFSR1-87	313	85296	3.3	5.0788	1.8	0.3250	1.0	0.55	1813.9	15.8	1832.6	15.5	1853.8	27.7	1853.8	27.7
1SFSR1-88	1690	2942	1.5	2.7187	6.1	0.0872	5.7	0.93	539.2	29.2	1333.6	45.1	3024.0	35.6	3024.0	35.6

1SFSR1-89	57	21060	1.1	14.4208	2.5	0.5268	1.0	0.40	2728.0	22.2	2777.8	23.6	2814.2	37.3	2814.2	37.3
1SFSR1-90	124	31136	1.5	5.8288	1.9	0.3458	1.5	0.79	1914.7	25.3	1950.7	16.7	1989.1	20.8	1989.1	20.8
1SFSR1-91	97	6264	1.7	0.6859	5.9	0.0853	2.0	0.35	527.7	10.3	530.4	24.2	542.0	120.1	527.7	10.3
1SFSR1-92	416	7526	2.6	0.1354	6.0	0.0206	3.4	0.57	131.6	4.5	128.9	7.2	78.6	116.4	131.6	4.5
1SFSR1-93	127	39206	0.6	11.5804	3.3	0.4450	3.0	0.89	2373.0	58.8	2571.1	31.2	2731.2	25.5	2731.2	25.5
1SFSR1-94	229	58174	0.8	5.5895	2.7	0.3380	1.8	0.66	1877.0	29.5	1914.5	23.6	1955.4	36.8	1955.4	36.8
1SFSR1-96	86	20006	1.2	4.1981	2.5	0.2887	2.3	0.92	1635.1	33.7	1673.6	20.8	1722.3	18.4	1722.3	18.4
1SFSR1-97	444	94620	3.4	5.0574	3.5	0.3227	1.3	0.37	1802.7	20.8	1829.0	29.9	1859.1	59.1	1859.1	59.1
1SFSR1-98	217	53604	1.5	6.3494	1.9	0.3562	1.4	0.75	1964.1	23.9	2025.3	16.5	2088.3	21.8	2088.3	21.8
1SFSR1-99	150	19000	0.9	1.9097	2.5	0.1796	1.0	0.39	1064.8	9.8	1084.5	17.0	1124.3	46.7	1124.3	46.7
1SFSR1-100	58	10562	3.8	3.3814	4.2	0.2572	2.4	0.58	1475.6	31.7	1500.1	32.6	1534.8	63.9	1534.8	63.9

1FG70-1	259	2191	1.0	0.1825	3.5	0.0272	2.1	0.58	173.2	3.5	170.2	5.5	128.3	67.4	173.2	3.5
1FG70-2	168	1441	1.9	0.1203	5.8	0.0178	3.4	0.59	114.0	3.9	115.4	6.4	144.1	110.6	114.0	3.9
1FG70-3	87	1317	2.3	0.2143	8.4	0.0333	2.6	0.31	211.0	5.3	197.2	15.0	34.6	190.6	211.0	5.3
1FG70-4	64	852	1.5	0.1692	10.1	0.0269	2.3	0.23	171.2	4.0	158.7	14.8	-23.9	237.4	171.2	4.0
1FG70-5	265	2320	1.5	0.1268	3.6	0.0194	1.2	0.34	123.9	1.5	121.2	4.1	69.9	80.4	123.9	1.5
1FG70-7	711	1513	1.1	0.2142	7.4	0.0329	3.3	0.44	208.4	6.8	197.1	13.3	63.6	158.7	208.4	6.8
1FG70-8	359	2212	1.8	0.1121	4.5	0.0173	1.5	0.34	110.6	1.7	107.9	4.6	48.0	101.3	110.6	1.7
1FG70-9	331	4348	1.4	0.1731	3.2	0.0253	1.5	0.49	161.3	2.5	162.1	4.7	175.0	64.5	161.3	2.5
1FG70-10	189	2569	1.0	0.1626	7.1	0.0247	2.0	0.28	157.2	3.0	153.0	10.1	87.9	161.7	157.2	3.0
1FG70-11	120	1472	2.4	0.2028	5.8	0.0304	2.1	0.37	193.2	4.1	187.5	9.9	116.0	127.0	193.2	4.1
1FG70-12	149	768	2.4	0.1058	13.1	0.0176	1.8	0.14	112.7	2.0	102.1	12.7	-139.3	322.9	112.7	2.0
1FG70-14	430	4575	1.5	0.1726	3.4	0.0260	2.2	0.63	165.7	3.5	161.7	5.1	103.3	62.6	165.7	3.5
1FG70-15	105	1451	2.6	0.1855	6.0	0.0265	3.0	0.50	168.5	5.0	172.8	9.5	232.0	119.4	168.5	5.0
1FG70-16	83	806	3.1	0.1443	12.2	0.0175	2.6	0.21	111.9	2.8	136.9	15.6	596.8	258.7	111.9	2.8
1FG70-17	47	557	1.5	0.1595	13.8	0.0259	3.4	0.25	165.0	5.6	150.2	19.3	-76.4	328.9	165.0	5.6
1FG70-18	66	737	2.1	0.1329	14.6	0.0191	4.1	0.28	121.8	4.9	126.7	17.4	219.5	325.3	121.8	4.9
1FG70-19	247	2632	1.2	0.1664	3.4	0.0252	1.2	0.35	160.4	1.9	156.3	4.9	95.0	74.7	160.4	1.9
1FG70-20	234	4965	1.8	0.2315	2.7	0.0334	1.5	0.56	211.6	3.1	211.4	5.1	209.4	50.9	211.6	3.1
1FG70-sl9	498	16652	3.4	0.7324	1.4	0.0905	1.0	0.70	558.7	5.4	558.0	6.2	554.9	22.5	558.7	5.4
1FG70-21	92	765	2.6	0.1158	17.0	0.0192	9.1	0.54	122.7	11.1	111.3	17.9	-126.7	354.2	122.7	11.1
1FG70-22	349	60359	1.7	4.7307	1.4	0.3152	1.0	0.71	1766.4	15.5	1772.7	11.9	1780.1	18.3	1780.1	18.3
1FG70-23	89	295	2.7	0.0981	18.5	0.0175	3.7	0.20	112.1	4.1	95.0	16.8	-314.8	468.5	112.1	4.1
1FG70-24	87	1155	1.6	0.1701	8.4	0.0267	3.0	0.36	169.7	5.0	159.5	12.5	10.1	189.8	169.7	5.0
1FG70-25	146	1590	1.5	0.1591	7.3	0.0250	1.4	0.20	159.1	2.2	149.9	10.1	6.2	171.5	159.1	2.2
1FG70-26	146	963	2.5	0.1115	11.7	0.0174	3.1	0.26	110.9	3.4	107.3	11.9	28.4	270.7	110.9	3.4
1FG70-27	68	1015	1.3	0.1731	11.4	0.0261	3.5	0.31	166.2	5.7	162.1	17.1	103.9	257.8	166.2	5.7
1FG70-28	75	915	2.0	0.1296	13.3	0.0176	4.1	0.31	112.7	4.6	123.7	15.5	341.1	287.5	112.7	4.6
1FG70-29	47	961	1.5	0.2024	9.7	0.0273	4.4	0.45	173.8	7.5	187.1	16.5	359.4	194.7	173.8	7.5
1FG70-30	64	684	1.2	0.1774	9.7	0.0269	3.3	0.34	171.3	5.5	165.8	14.9	88.6	217.2	171.3	5.5
1FG70-31	88	1182	1.4	0.2074	7.2	0.0307	1.9	0.26	194.9	3.6	191.4	12.6	147.8	163.3	194.9	3.6
1FG70-32	260	1964	1.7	0.1156	5.0	0.0177	1.0	0.20	113.3	1.1	111.1	5.3	62.2	116.6	113.3	1.1
1FG70-33	239	2285	1.4	0.1682	2.9	0.0252	1.5	0.53	160.5	2.4	157.9	4.2	119.2	57.3	160.5	2.4
1FG70-34	89	792	3.3	0.1115	9.5	0.0170	3.7	0.39	108.8	4.0	107.4	9.6	75.7	207.1	108.8	4.0
1FG70-35	64	725	1.3	0.1403	16.4	0.0229	2.7	0.16	146.3	3.9	133.3	20.4	-91.4	398.0	146.3	3.9
1FG70-36	129	1239	2.3	0.1150	8.4	0.0181	2.1	0.25	115.8	2.4	110.6	8.8	0.1	196.0	115.8	2.4
1FG70-37	632	6347	0.8	0.1205	2.0	0.0182	1.0	0.50	116.2	1.2	115.5	2.2	100.3	40.5	116.2	1.2
1FG70-38	118	1256	2.5	0.1179	5.7	0.0176	2.2	0.39	112.2	2.5	113.1	6.1	131.9	124.7	112.2	2.5
1FG70-39	43	475	1.4	0.1570	13.4	0.0258	3.0	0.22	164.2	4.9	148.1	18.5	-103.0	322.8	164.2	4.9
1FG70-40	264	3105	1.4	0.1649	3.3	0.0247	1.0	0.30	157.4	1.6	155.0	4.7	118.3	74.1	157.4	1.6

1FG70-41	101	1155	1.0	0.1694	9.5	0.0265	2.5	0.26	168.8	4.1	158.9	13.9	13.6	219.8	168.8	4.1
1FG70-42	111	816	1.5	0.1056	12.5	0.0176	2.7	0.21	112.4	3.0	102.0	12.2	-136.5	304.4	112.4	3.0
1FG70-43	257	2849	2.8	0.2441	4.0	0.0348	1.8	0.46	220.4	3.9	221.7	8.0	236.2	82.1	220.4	3.9
1FG70-44	69	997	0.9	0.2085	12.3	0.0274	9.5	0.77	174.3	16.4	192.3	21.6	419.4	175.0	174.3	16.4
1FG70-45	381	3542	1.3	0.1944	5.6	0.0293	4.3	0.76	186.0	7.9	180.4	9.3	108.2	85.9	186.0	7.9
1FG70-46	160	1281	2.3	0.1233	7.7	0.0176	2.3	0.30	112.5	2.6	118.1	8.6	232.5	169.0	112.5	2.6
1FG70-47	537	6040	1.7	0.1715	2.5	0.0253	1.0	0.40	161.0	1.6	160.8	3.7	156.7	53.7	161.0	1.6
1FG70-48	191	2076	1.4	0.1775	6.1	0.0259	1.3	0.21	164.9	2.1	165.9	9.3	180.6	138.3	164.9	2.1
1FG70-49	348	5624	1.7	0.1777	2.9	0.0259	1.0	0.35	164.7	1.6	166.1	4.4	185.9	63.1	164.7	1.6
1FG70-50	79	1043	1.4	0.1782	8.5	0.0269	1.8	0.21	171.2	3.0	166.5	13.0	100.2	196.8	171.2	3.0
1FG70-51	26	316	1.4	0.2844	18.6	0.0295	7.3	0.39	187.1	13.5	254.2	41.8	929.3	353.6	187.1	13.5
1FG70-52	45	968	1.0	0.2617	8.8	0.0302	4.1	0.47	191.8	7.8	236.0	18.5	702.9	164.6	191.8	7.8
1FG70-53	47	439	1.4	0.1624	17.5	0.0219	7.6	0.44	139.6	10.6	152.8	24.9	364.1	358.1	139.6	10.6
1FG70-54	52	12822	1.0	13.7265	4.4	0.5302	4.0	0.91	2742.5	89.6	2731.0	41.7	2722.5	29.9	2722.5	29.9
1FG70-55	125	1306	1.4	0.1635	9.7	0.0251	7.0	0.72	160.0	11.1	153.7	13.9	58.8	160.7	160.0	11.1
1FG70-56	177	2621	2.7	0.2135	4.6	0.0308	2.2	0.48	195.7	4.3	196.5	8.2	205.3	93.8	195.7	4.3
1FG70-57	38	552	2.1	0.1953	14.1	0.0274	7.9	0.56	174.3	13.6	181.1	23.4	271.1	268.0	174.3	13.6
1FG70-58	90	2061	4.6	0.2750	5.5	0.0377	3.5	0.63	238.5	8.1	246.7	12.0	325.3	97.0	238.5	8.1
1FG70-59	47	575	1.3	0.1725	11.8	0.0263	3.2	0.27	167.4	5.3	161.6	17.6	77.6	269.5	167.4	5.3
1FG70-60	80	601	2.4	0.1188	14.8	0.0178	3.0	0.20	114.0	3.4	114.0	16.0	113.3	344.3	114.0	3.4
1FG70-61	59	985	4.5	0.2517	7.2	0.0367	1.8	0.25	232.3	4.1	228.0	14.8	184.0	163.5	232.3	4.1
1FG70-62	77	1041	3.0	0.1360	9.2	0.0172	1.9	0.21	110.2	2.1	129.4	11.2	498.4	198.9	110.2	2.1
1FG70-63	130	1776	1.8	0.2017	6.9	0.0273	1.0	0.15	173.3	1.8	186.6	11.8	358.2	154.6	173.3	1.8
1FG70-64	86	1048	2.9	0.1320	9.5	0.0188	1.9	0.20	120.1	2.2	125.9	11.2	235.9	214.8	120.1	2.2
1FG70-65	131	1811	1.9	0.2062	5.7	0.0299	3.0	0.52	190.2	5.5	190.3	9.9	192.3	113.3	190.2	5.5
1FG70-66	349	3013	1.7	0.1660	3.4	0.0247	1.7	0.49	157.4	2.6	156.0	4.9	134.4	68.8	157.4	2.6
1FG70-67	481	5124	1.5	0.1670	2.7	0.0249	1.3	0.48	158.5	2.0	156.8	4.0	131.3	56.9	158.5	2.0
1FG70-68	155	4936	1.1	0.1950	4.9	0.0274	1.6	0.32	174.0	2.7	180.9	8.1	271.9	106.1	174.0	2.7
1FG70-69	110	1653	2.5	0.2102	5.6	0.0291	2.0	0.36	184.8	3.7	193.7	9.9	303.7	119.8	184.8	3.7
1FG70-70	97	1351	3.0	0.1346	12.8	0.0186	7.4	0.57	119.1	8.7	128.2	15.5	300.0	240.3	119.1	8.7
1FG70-71	79	1413	1.1	0.2324	7.8	0.0331	3.1	0.40	209.7	6.4	212.2	14.9	239.2	164.7	209.7	6.4
1FG70-72	157	1045	1.6	0.1862	11.1	0.0271	3.0	0.27	172.5	5.1	173.4	17.7	185.9	250.2	172.5	5.1
1FG70-73	27	475	1.4	0.1992	15.4	0.0266	6.9	0.45	169.2	11.6	184.5	26.0	385.2	311.0	169.2	11.6
1FG70-74	123	842	2.6	0.1078	13.9	0.0170	4.7	0.34	108.6	5.0	103.9	13.7	-1.7	316.4	108.6	5.0
1FG70-75	675	58207	2.6	5.3181	1.7	0.3352	1.4	0.81	1863.6	22.5	1871.8	14.6	1880.8	18.0	1880.8	18.0
1FG70-76	137	1409	1.3	0.1567	6.5	0.0242	1.7	0.26	154.3	2.6	147.8	8.9	44.8	149.9	154.3	2.6
1FG70-77	211	1993	1.1	0.1664	3.7	0.0250	2.1	0.56	159.0	3.3	156.3	5.4	115.9	73.3	159.0	3.3
1FG70-78	73	806	1.2	0.1594	14.0	0.0264	2.5	0.18	168.1	4.2	150.2	19.5	-124.1	341.1	168.1	4.2
1FG70-79	436	5340	1.9	0.1844	2.8	0.0271	1.7	0.62	172.1	2.9	171.9	4.4	168.3	50.4	172.1	2.9
1FG70-80	209	17401	1.7	5.1499	1.5	0.3272	1.0	0.68	1824.7	15.9	1844.4	12.6	1866.6	19.6	1866.6	19.6
1FG70-81	181	2495	1.0	0.1823	4.6	0.0272	1.0	0.22	173.1	1.7	170.1	7.1	128.4	104.7	173.1	1.7
1FG70-82	327	3081	1.1	0.1763	3.6	0.0261	1.4	0.39	166.2	2.3	164.8	5.5	145.7	77.6	166.2	2.3
1FG70-83	42	1584	2.9	0.2616	10.4	0.0320	3.4	0.33	202.7	6.8	236.0	21.8	581.3	212.8	202.7	6.8
1FG70-84	257	2825	1.3	0.1644	3.9	0.0246	1.9	0.49	156.7	3.0	154.6	5.6	122.5	79.5	156.7	3.0
1FG70-85	124	509	3.6	0.1077	8.0	0.0173	3.3	0.41	110.5	3.6	103.9	7.9	-46.4	176.8	110.5	3.6
1FG70-86	41	541	1.5	0.2162	13.6	0.0265	7.3	0.54	168.4	12.1	198.7	24.5	576.3	250.4	168.4	12.1
1FG70-87	495	1191	5.2	0.1211	5.4	0.0188	1.3	0.25	120.0	1.6	116.0	5.9	36.0	125.4	120.0	1.6
1FG70-88	63	667	2.1	0.1084	11.8	0.0181	3.2	0.28	115.4	3.7	104.5	11.7	-138.2	280.7	115.4	3.7
1FG70-89	174	2618	1.3	0.1685	3.5	0.0250	1.8	0.53	158.9	2.9	158.1	5.1	146.2	69.7	158.9	2.9
1FG70-90	79	1335	2.6	0.1397	9.0	0.0182	3.7	0.41	116.2	4.2	132.8	11.3	439.7	184.1	116.2	4.2
1FG70-91	128	1634	1.2	0.1427	9.0	0.0187	2.4	0.27	119.7	2.8	135.5	11.5	422.6	194.7	119.7	2.8

1FG70-92	101	1734	1.2	0.2336	8.1	0.0329	3.6	0.45	208.4	7.5	213.1	15.6	265.6	167.3	208.4	7.5
1FG70-93	64	534	2.8	0.1031	17.5	0.0179	9.7	0.56	114.6	11.1	99.7	16.6	-245.3	368.5	114.6	11.1
1FG70-94	61	682	4.3	0.1674	8.9	0.0171	4.2	0.47	109.5	4.6	157.1	13.0	953.5	161.1	109.5	4.6
1FG70-95	47	1013	2.0	0.2481	9.6	0.0269	3.5	0.36	171.1	5.8	225.0	19.3	834.7	186.5	171.1	5.8
1FG70-96	179	2366	2.7	0.1386	6.2	0.0187	2.7	0.44	119.2	3.2	131.8	7.7	364.5	126.3	119.2	3.2
1FG70-97	57	1024	1.8	0.1891	13.6	0.0265	5.8	0.43	168.7	9.6	175.8	22.0	273.3	283.0	168.7	9.6
1FG70-98	102	1137	2.1	0.1284	9.5	0.0172	2.4	0.25	110.2	2.6	122.6	10.9	370.7	207.2	110.2	2.6
1FG70-99	48	1425	2.9	0.1660	10.2	0.0187	3.7	0.37	119.6	4.4	156.0	14.8	751.4	201.5	119.6	4.4
1FG70-100	52	707	2.3	0.1426	10.9	0.0163	3.8	0.35	104.3	4.0	135.4	13.9	722.3	218.0	104.3	4.0

ISR80-1	488	35096	1.4	5.0383	3.6	0.3267	3.5	0.96	1822.3	55.4	1825.8	30.8	1829.8	18.1	1829.8	18.1
ISR80-2	170	740	1.4	0.1020	8.1	0.0162	3.8	0.47	103.7	3.9	98.6	7.6	-22.7	173.5	103.7	3.9
ISR80-4	331	1701	1.7	0.1018	4.6	0.0158	2.9	0.64	101.3	2.9	98.4	4.3	29.4	85.0	101.3	2.9
ISR80-5	549	4613	1.9	0.1036	5.9	0.0158	4.5	0.76	101.0	4.5	100.1	5.6	77.9	91.0	101.0	4.5
ISR80-6	276	2573	1.3	0.1008	7.6	0.0159	2.8	0.37	101.7	2.8	97.5	7.0	-3.2	170.3	101.7	2.8
ISR80-7	199	433	1.6	0.1007	7.8	0.0161	3.0	0.38	102.7	3.1	97.5	7.3	-29.9	175.0	102.7	3.1
ISR80-8	321	1016	1.6	0.1284	16.6	0.0164	2.4	0.15	104.9	2.5	122.7	19.2	481.8	364.6	104.9	2.5
ISR80-9	164	1240	1.3	0.1261	12.2	0.0163	5.7	0.46	103.9	5.8	120.6	13.9	462.8	240.8	103.9	5.8
ISR80-10	316	69480	4.2	4.9686	4.2	0.3246	4.0	0.96	1812.1	63.7	1814.0	35.6	1816.1	22.3	1816.1	22.3
ISR80-11	108	1190	1.6	0.1053	8.5	0.0160	4.4	0.52	102.2	4.5	101.7	8.2	89.0	172.8	102.2	4.5
ISR80-12	472	3334	1.6	0.1034	3.8	0.0156	2.0	0.53	100.0	2.0	99.9	3.6	97.9	77.1	100.0	2.0
ISR80-13	416	3945	1.6	0.1078	6.5	0.0162	2.9	0.44	103.6	3.0	103.9	6.4	112.0	136.9	103.6	3.0
ISR80-14	239	843	1.2	0.1026	15.0	0.0155	5.6	0.38	98.9	5.5	99.2	14.2	106.6	329.3	98.9	5.5
ISR80-15	101	1828	1.7	0.1300	8.3	0.0156	3.3	0.40	99.7	3.3	124.1	9.7	623.0	163.5	99.7	3.3
ISR80-16	92	802	1.3	0.1104	12.9	0.0158	3.3	0.26	101.1	3.3	106.3	13.0	226.1	288.1	101.1	3.3
ISR80-18	464	2115	1.1	1.7244	7.4	0.1240	6.8	0.92	753.7	48.3	1017.7	47.7	1639.4	55.3	1639.4	55.3
ISR80-19	100	350	2.0	0.1184	27.5	0.0155	3.8	0.14	99.3	3.8	113.7	29.6	426.7	618.7	99.3	3.8
ISR80-2O	82	7140	2.1	1.5731	3.6	0.1593	2.9	0.82	953.1	26.0	959.7	22.1	974.8	41.0	953.1	26.0
ISR80-21	264	577	2.0	0.1939	18.4	0.0270	2.5	0.14	171.9	4.3	179.9	30.3	287.2	418.9	171.9	4.3
ISR80-22	228	319	1.8	0.1174	27.9	0.0165	5.1	0.18	105.6	5.4	112.7	29.8	264.7	641.1	105.6	5.4
ISR80-23	663	3679	1.7	0.1066	5.3	0.0157	2.0	0.38	100.7	2.0	102.8	5.2	152.5	114.3	100.7	2.0
ISR80-24	199	832	1.9	0.1014	8.5	0.0159	2.0	0.23	101.5	2.0	98.0	7.9	13.8	198.0	101.5	2.0
ISR80-25	650	4572	2.1	0.1826	5.2	0.0267	3.3	0.64	170.0	5.6	170.3	8.1	175.1	92.5	170.0	5.6
ISR80-25A	350	4364	0.8	0.0997	4.0	0.0152	2.6	0.66	97.2	2.5	96.5	3.7	77.0	71.3	97.2	2.5
ISR80-26	365	1466	2.0	0.0987	5.1	0.0152	2.2	0.42	97.5	2.1	95.6	4.7	47.5	111.5	97.5	2.1
ISR80-27	205	872	2.3	0.1542	19.7	0.0257	6.7	0.34	163.6	10.7	145.6	26.8	-138.2	463.2	163.6	10.7
ISR80-28	527	6956	13.4	0.1871	4.2	0.0263	3.2	0.76	167.0	5.3	174.2	6.8	272.2	63.8	167.0	5.3
ISR80-29	314	1806	1.8	0.1406	5.3	0.0206	3.1	0.59	131.6	4.1	133.6	6.6	168.1	100.0	131.6	4.1
ISR80-30	423	68700	1.0	4.7820	3.6	0.3170	1.6	0.45	1775.1	24.8	1781.7	30.1	1789.5	58.5	1789.5	58.5
ISR80-31	276	2976	1.7	0.1050	7.0	0.0155	3.5	0.50	99.0	3.4	101.4	6.8	157.4	142.2	99.0	3.4
ISR80-32	355	1163	1.8	0.0995	3.9	0.0155	1.5	0.38	99.0	1.4	96.3	3.5	31.2	85.6	99.0	1.4
ISR80-33	314	3024	2.2	0.1696	6.0	0.0256	2.7	0.44	163.2	4.3	159.1	8.8	98.7	127.4	163.2	4.3
ISR80-34	293	4719	4.4	0.1140	7.6	0.0156	2.5	0.32	99.8	2.4	109.6	7.9	327.6	163.8	99.8	2.4
ISR80-35	236	428	1.6	0.0861	16.9	0.0152	3.2	0.19	97.1	3.1	83.9	13.6	-277.4	425.5	97.1	3.1
ISR80-36	283	1433	1.5	0.1155	8.2	0.0184	3.5	0.42	117.8	4.0	111.0	8.7	-33.4	181.5	117.8	4.0
ISR80-37	3235	647	1.2	0.0931	9.7	0.0151	5.5	0.57	96.6	5.3	90.4	8.4	-69.4	195.4	96.6	5.3
ISR80-38	237	1935	2.2	0.1060	7.0	0.0163	4.2	0.60	104.1	4.3	102.3	6.8	60.7	134.4	104.1	4.3
ISR80-39	1042	4878	1.5	0.1056	2.6	0.0160	2.0	0.77	102.2	2.0	101.9	2.5	95.2	39.1	102.2	2.0
ISR80-41	234	6061	1.5	3.9563	5.4	0.2714	4.9	0.92	1548.0	67.9	1625.3	43.6	1726.9	39.3	1726.9	39.3
ISR80-42	526	3110	2.1	0.1042	5.1	0.0157	1.5	0.29	100.6	1.5	100.6	4.9	101.5	115.5	100.6	1.5
ISR80-43	305	33090	3.2	4.5303	3.9	0.3060	2.9	0.73	1720.9	43.1	1736.6	32.4	1755.5	48.5	1755.5	48.5

ISR80-44	173	26156	1.6	16.3308	5.8	0.5568	5.2	0.88	2853.5	118.9	2896.4	55.9	2926.3	44.2	2926.3	44.2
ISR80-45	396	2305	1.4	0.1039	8.4	0.0160	4.2	0.50	102.5	4.2	100.4	8.0	50.6	174.6	102.5	4.2
ISR80-46	1356	1518	2.2	0.1038	5.4	0.0162	2.1	0.39	103.8	2.2	100.3	5.2	16.2	120.4	103.8	2.2
ISR80-47	481	2292	1.6	0.0973	5.3	0.0152	2.7	0.52	96.9	2.6	94.3	4.8	27.9	108.4	96.9	2.6
ISR80-48	277	541	1.5	0.0906	27.3	0.0162	3.3	0.12	103.6	3.4	88.1	23.1	-316.2	706.5	103.6	3.4
ISR80-49	128	1111	1.8	0.1573	6.5	0.0244	3.4	0.53	155.2	5.3	148.3	9.0	39.9	131.9	155.2	5.3
ISR80-50	574	5373	0.9	0.1103	5.5	0.0161	2.5	0.46	103.2	2.6	106.3	5.5	174.3	113.0	103.2	2.6
ISR80-52	270	2006	1.8	0.1110	6.3	0.0159	2.4	0.38	101.8	2.4	106.8	6.4	219.8	135.4	101.8	2.4
ISR80-53	204	1235	1.3	0.1104	5.4	0.0163	2.1	0.39	104.1	2.2	106.4	5.5	157.0	117.2	104.1	2.2
ISR80-54	179	14731	1.7	2.2623	4.4	0.2033	2.6	0.60	1193.1	28.8	1200.6	31.0	1214.1	69.4	1214.1	69.4
ISR80-55	1732	12340	1.5	0.1080	1.5	0.0163	1.0	0.67	104.4	1.0	104.1	1.5	98.4	26.3	104.4	1.0
ISR80-56	440	1257	2.7	3.9264	2.1	0.2643	1.8	0.85	1511.8	23.7	1619.1	16.7	1761.6	19.8	1761.6	19.8
ISR80-57A	818	6279	1.8	0.1860	2.8	0.0271	1.5	0.55	172.5	2.6	173.2	4.4	183.5	54.3	172.5	2.6
ISR80-58	65	1192	4.2	0.1888	8.0	0.0208	2.2	0.27	132.7	2.9	175.6	13.0	802.3	162.1	132.7	2.9
ISR80-59	65	1242	0.4	6.1878	2.8	0.3652	1.6	0.58	2006.9	27.8	2002.7	24.4	1998.5	40.4	1998.5	40.4
ISR80-60	663	6474	0.9	0.1095	3.9	0.0165	1.9	0.48	105.7	2.0	105.5	4.0	100.4	82.1	105.7	2.0
ISR80-61	987	9522	2.0	0.1823	4.8	0.0267	2.4	0.51	170.1	4.1	170.0	7.6	168.7	97.3	170.1	4.1
ISR80-63	136	664	1.6	0.1280	9.8	0.0163	2.3	0.23	104.4	2.3	122.3	11.2	486.4	209.8	104.4	2.3
ISR80-64	68	12483	2.3	5.5636	3.7	0.3392	1.5	0.40	1882.7	23.8	1910.5	31.5	1940.8	60.1	1940.8	60.1
ISR80-65	194	4315	1.3	0.1213	3.8	0.0162	1.2	0.33	103.8	1.3	116.3	4.2	379.7	80.7	103.8	1.3
ISR80-66	416	1241	0.9	4.3425	11.3	0.2911	9.4	0.83	1646.8	136.1	1701.5	93.5	1769.4	115.5	1769.4	115.5
ISR80-67	81	8857	1.4	1.8759	3.8	0.1785	1.8	0.46	1058.6	17.1	1072.6	25.0	1101.3	67.0	1101.3	67.0
ISR80-68	213	2266	2.1	0.1767	3.9	0.0251	1.6	0.41	160.0	2.5	165.2	6.0	240.3	82.2	160.0	2.5
ISR80-69	412	11898	1.5	3.5017	2.3	0.2359	1.1	0.46	1365.1	13.1	1527.6	18.1	1760.5	37.0	1760.5	37.0
ISR80-70	303	2328	1.1	0.1045	4.1	0.0155	1.5	0.38	99.5	1.5	100.9	4.0	135.8	90.0	99.5	1.5
ISR80-71	163	52618	1.5	16.1695	4.0	0.5723	1.8	0.45	2917.2	42.4	2886.9	38.3	2865.8	58.1	2865.8	58.1
ISR80-72	351	1206	1.3	0.1053	6.9	0.0159	3.8	0.55	101.8	3.8	101.7	6.6	97.6	135.4	101.8	3.8
ISR80-73	164	35184	1.6	5.4148	2.9	0.3444	1.4	0.48	1907.9	22.7	1887.2	24.5	1864.5	45.3	1864.5	45.3
ISR80-74	207	21110	1.5	4.6355	3.1	0.3095	1.5	0.49	1738.4	23.0	1755.7	25.8	1776.3	49.1	1776.3	49.1
ISR80-75	553	1860	2.9	0.3178	5.6	0.0456	2.2	0.40	287.3	6.2	280.2	13.6	221.4	118.4	287.3	6.2
ISR80-76	199	2079	1.3	0.1186	4.1	0.0161	2.5	0.62	103.2	2.6	113.8	4.4	342.3	72.2	103.2	2.6
ISR80-77	446	18077	1.4	4.3852	5.3	0.2961	3.8	0.73	1672.2	56.6	1709.6	43.5	1755.7	65.7	1755.7	65.7
ISR80-79	1363	5357	0.8	0.1072	4.3	0.0161	2.0	0.46	103.2	2.0	103.4	4.3	107.4	91.2	103.2	2.0
ISR80-80	322	1308	1.6	0.6713	15.2	0.0823	10.0	0.66	509.7	49.2	521.5	62.1	573.6	249.0	509.7	49.2
ISR80-81	453	3378	1.8	0.4112	8.7	0.0507	7.7	0.89	318.5	23.9	349.8	25.6	562.8	86.6	318.5	23.9
ISR80-82	170	34294	1.5	8.5273	3.8	0.4127	1.7	0.44	2227.3	31.6	2288.8	34.5	2344.2	58.2	2344.2	58.2
ISR80-83	221	1700	1.3	0.1082	8.8	0.0156	3.2	0.36	99.7	3.1	104.3	8.7	210.5	190.9	99.7	3.1
ISR80-84	124	20781	2.9	3.0890	3.9	0.2498	3.7	0.94	1437.7	47.4	1430.0	29.9	1418.5	24.3	1418.5	24.3
ISR80-85	265	45492	2.6	5.0873	3.6	0.3302	3.2	0.90	1839.2	51.3	1834.0	30.4	1828.1	28.8	1828.1	28.8
ISR80-86	81	1316	2.7	0.1790	8.9	0.0236	2.6	0.30	150.3	3.9	167.2	13.7	413.7	190.5	150.3	3.9
ISR80-87	285	31941	1.8	7.4827	3.8	0.3975	1.8	0.48	2157.4	33.9	2170.9	34.3	2183.7	58.3	2183.7	58.3
ISR80-88	776	1094	1.0	0.1649	17.3	0.0277	2.6	0.15	176.2	4.5	155.0	24.8	-157.5	426.6	176.2	4.5
ISR80-89	449	517	1.1	0.1104	7.2	0.0173	2.3	0.32	110.7	2.5	106.3	7.2	8.7	163.7	110.7	2.5
ISR80-90	171	3604	2.0	0.1968	4.6	0.0272	1.0	0.23	172.8	1.8	182.4	7.6	308.4	101.1	172.8	1.8
ISR80-91	379	59867	2.0	5.4689	2.4	0.3420	1.7	0.70	1896.5	27.7	1895.7	20.8	1894.9	31.3	1894.9	31.3
ISR80-92	248	96259	1.5	5.4326	2.4	0.3410	2.0	0.86	1891.5	33.4	1890.0	20.4	1888.4	22.0	1888.4	22.0
ISR80-93	160	883	1.3	0.1244	20.0	0.0163	3.1	0.15	104.3	3.2	119.1	22.5	425.0	445.0	104.3	3.2
ISR80-95	157	431	1.0	0.1028	14.0	0.0160	3.5	0.25	102.6	3.6	99.4	13.2	23.1	325.9	102.6	3.6
ISR80-94A	313	6293	1.7	0.1954	4.6	0.0276	2.7	0.59	175.3	4.7	181.2	7.7	259.9	85.5	175.3	4.7
ISR80-96	61	9174	1.4	3.1056	3.8	0.2538	1.6	0.43	1458.2	21.2	1434.1	29.2	1398.4	66.0	1398.4	66.0
ISR80-97	511	67582	3.8	4.6691	2.6	0.3152	2.3	0.88	1766.2	34.9	1761.7	21.4	1756.5	22.1	1756.5	22.1

ISR80-98	244	2248	1.2	0.1024	4.0	0.0160	1.7	0.42	102.0	1.7	99.0	3.8	26.5	88.0	102.0	1.7
ISR80-99	123	881	1.2	0.1017	6.7	0.0154	3.2	0.49	98.2	3.2	98.3	6.2	100.5	137.7	98.2	3.2
ISR80-100	367	117431	1.8	5.0197	3.5	0.3311	1.0	0.29	1843.9	16.0	1822.6	29.4	1798.5	60.4	1798.5	60.4

2SR240-1	30	11343	1.6	20.8020	2.1	0.6027	1.0	0.47	3040.7	24.2	3129.4	20.5	3186.8	29.5	3186.8	29.5
2SR240-2	117	1860	3.9	0.0706	30.7	0.0134	1.9	0.06	85.6	1.6	69.3	20.6	-462.5	826.5	85.6	1.6
2SR240-3	234	3801	2.5	0.1139	8.3	0.0162	1.0	0.12	103.8	1.0	109.5	8.6	235.1	189.3	103.8	1.0
2SR240-4	45	840	1.6	0.0766	50.6	0.0165	2.1	0.04	105.8	2.2	74.9	36.5	-825.7	1523.3	105.8	2.2
2SR240-5	169	3174	14.1	0.0895	13.7	0.0133	1.0	0.08	85.2	0.9	87.0	11.4	136.6	321.7	85.2	0.9
2SR240-6	540	245202	5.1	4.9445	1.8	0.3261	1.0	0.56	1819.3	15.9	1809.9	15.2	1799.0	27.1	1799.0	27.1
2SR240-7	325	8505	2.3	0.1132	14.1	0.0177	1.2	0.08	112.9	1.3	108.9	14.6	23.6	339.5	112.9	1.3
2SR240-8	117	55692	2.1	6.0902	2.6	0.3642	1.7	0.65	2002.0	28.7	1988.8	22.3	1975.2	34.6	1975.2	34.6
2SR240-9	306	3663	1.9	0.1154	9.7	0.0164	1.0	0.10	104.6	1.0	110.9	10.2	249.3	222.2	104.6	1.0
2SR240-10	178	4494	1.9	0.1032	14.4	0.0149	2.5	0.18	95.5	2.4	99.7	13.7	200.5	330.6	95.5	2.4
2SR240-11	250	10338	2.6	0.1004	10.6	0.0153	1.5	0.14	98.1	1.5	97.1	9.8	72.6	250.0	98.1	1.5
2SR240-12	128	3942	2.1	0.1054	27.0	0.0144	1.7	0.06	92.2	1.6	101.8	26.1	332.2	620.7	92.2	1.6
2SR240-13	96	61593	1.4	4.7787	1.7	0.3159	1.2	0.70	1769.8	18.6	1781.2	14.4	1794.5	22.2	1794.5	22.2
2SR240-14	256	3456	3.5	0.0997	8.9	0.0144	2.4	0.27	92.4	2.2	96.5	8.2	198.1	200.1	92.4	2.2
2SR240-15	234	23481	0.9	3.2142	2.1	0.2466	1.9	0.86	1420.9	23.6	1460.6	16.6	1518.8	20.3	1518.8	20.3
2SR240-16	156	1824	2.4	0.1549	12.5	0.0174	3.1	0.25	111.1	3.5	146.2	17.0	762.5	255.6	111.1	3.5
2SR240-18	187	3708	3.1	0.0964	8.5	0.0151	2.6	0.31	96.8	2.5	93.4	7.6	7.1	194.7	96.8	2.5
2SR240-19	248	4752	3.0	0.0884	11.2	0.0137	2.7	0.24	87.9	2.4	86.0	9.2	33.6	261.2	87.9	2.4
2SR240-20	259	27153	3.7	3.1030	4.9	0.2103	4.6	0.94	1230.5	51.8	1433.4	37.9	1749.0	31.9	1749.0	31.9

IBB44-1	181	1483	1.8	0.0854	7.1	0.0117	3.2	0.45	75.2	2.4	83.2	5.7	320.2	144.8	75.2	2.4
IBB44-2	274	293	1.5	0.0684	42.2	0.0125	6.9	0.16	79.9	5.4	67.2	27.5	-365.5	1121.4	79.9	5.4
IBB44-3	247	334	2.2	0.0721	7.7	0.0109	2.7	0.35	70.1	1.9	70.7	5.3	91.9	170.6	70.1	1.9
IBB44-4	263	1691	2.2	0.0855	6.2	0.0116	3.0	0.49	74.3	2.2	83.3	5.0	348.8	123.1	74.3	2.2
IBB44-5	107	512	1.8	0.0861	14.2	0.0111	4.9	0.34	71.5	3.5	83.8	11.5	451.4	298.5	71.5	3.5
IBB44-6	291	2140	2.1	0.0875	4.6	0.0118	2.8	0.60	75.8	2.1	85.2	3.7	356.7	82.9	75.8	2.1
IBB44-7	80	626	1.6	0.1087	11.9	0.0119	4.1	0.35	76.1	3.1	104.8	11.8	817.9	233.1	76.1	3.1
IBB44-8	357	2385	1.6	0.0794	6.6	0.0112	1.8	0.27	71.9	1.3	77.6	5.0	257.0	147.0	71.9	1.3
IBB44-9	118	307	3.3	0.0417	61.1	0.0104	7.7	0.13	66.4	5.1	41.5	24.8	-1240.7	2060.6	66.4	5.1
IBB44-10	111	300	2.0	0.0800	14.7	0.0117	3.7	0.25	74.9	2.8	78.2	11.1	180.2	332.6	74.9	2.8
IBB44-11	259	1202	2.4	0.0739	8.6	0.0111	2.3	0.27	71.4	1.7	72.4	6.0	106.8	195.4	71.4	1.7
IBB44-12	274	1235	2.7	0.0729	7.9	0.0109	2.5	0.32	69.8	1.7	71.4	5.4	125.4	176.1	69.8	1.7
IBB44-13	188	1007	2.9	0.0787	9.7	0.0110	3.8	0.40	70.3	2.7	76.9	7.2	287.9	204.4	70.3	2.7
IBB44-14	117	498	2.8	0.0768	14.0	0.0111	4.0	0.29	71.0	2.8	75.1	10.1	207.7	312.4	71.0	2.8
IBB44-15	107	7634	4.0	4.2187	2.7	0.2720	2.2	0.81	1551.1	30.4	1677.7	22.5	1839.8	29.3	1839.8	29.3
IBB44-16	175	806	2.8	0.0879	10.9	0.0114	2.6	0.24	73.3	1.9	85.6	8.9	443.4	235.1	73.3	1.9
IBB44-17	191	665	3.1	0.0800	6.6	0.0113	4.1	0.62	72.5	2.9	78.2	4.9	256.5	118.7	72.5	2.9
IBB44-18	249	17785	1.6	10.5850	3.5	0.4596	3.0	0.87	2437.6	61.5	2487.4	32.2	2528.3	28.3	2528.3	28.3
IBB44-20	335	1489	2.2	0.0781	5.0	0.0115	2.4	0.47	73.5	1.7	76.4	3.7	168.3	102.7	73.5	1.7
IBB44-21	185	626	1.8	0.0724	8.1	0.0109	3.6	0.44	70.1	2.5	71.0	5.5	102.1	171.0	70.1	2.5
IBB44-22	49	787	2.0	0.1894	15.5	0.0142	8.9	0.58	91.1	8.1	176.1	25.1	1556.9	239.4	91.1	8.1
IBB44-23	88	334	1.7	0.0672	18.8	0.0114	4.9	0.26	73.1	3.6	66.0	12.0	-182.5	455.7	73.1	3.6
IBB44-24	151	22673	4.0	5.2477	3.8	0.3358	3.0	0.79	1866.3	48.5	1860.4	32.3	1853.8	42.0	1853.8	42.0
IBB44-25	221	1762	2.5	0.0908	7.8	0.0115	4.1	0.53	73.6	3.0	88.2	6.6	503.5	144.5	73.6	3.0
IBB44-26	185	746	4.4	0.0708	9.7	0.0110	3.1	0.32	70.7	2.2	69.4	6.5	26.1	221.3	70.7	2.2
IBB44-27	224	993	2.7	0.0824	6.5	0.0111	2.9	0.45	71.5	2.1	80.4	5.0	354.5	131.7	71.5	2.1
IBB44-28	336	312	2.8	0.0627	31.5	0.0114	3.3	0.11	73.0	2.4	61.8	18.9	-355.0	826.9	73.0	2.4

IBB44-29	188	1182	2.8	0.0979	7.4	0.0119	1.8	0.24	76.5	1.4	94.8	6.7	583.7	157.1	76.5	1.4
IBB44-30	303	202	2.2	0.0434	40.4	0.0106	5.7	0.14	67.8	3.9	43.2	17.1	-1178.6	1273.2	67.8	3.9
IBB44-31	456	2626	1.7	0.0770	4.6	0.0109	1.5	0.33	69.7	1.1	75.3	3.4	258.8	100.0	69.7	1.1
IBB44-32	272	1232	2.4	0.0800	9.7	0.0108	1.9	0.19	69.2	1.3	78.2	7.3	360.7	215.2	69.2	1.3
IBB44-33	293	255	2.6	0.0646	11.2	0.0111	2.5	0.22	70.8	1.7	63.6	6.9	-201.5	273.9	70.8	1.7
IBB44-34	183	1047	2.3	0.0815	9.2	0.0113	3.3	0.36	72.3	2.4	79.6	7.1	303.9	196.9	72.3	2.4
IBB44-35	263	186	2.4	0.0450	38.8	0.0107	3.5	0.09	68.4	2.4	44.7	17.0	-1095.9	1205.2	68.4	2.4
IBB44-36	897	1149	1.9	0.0657	8.8	0.0109	1.3	0.15	69.9	0.9	64.6	5.5	-129.8	214.3	69.9	0.9
IBB44-37	285	2410	2.4	0.0919	8.9	0.0110	1.4	0.16	70.2	1.0	89.3	7.6	634.3	188.6	70.2	1.0
IBB44-38	295	597	2.9	0.0732	23.4	0.0110	2.5	0.11	70.4	1.8	71.7	16.2	116.3	555.3	70.4	1.8
IBB44-39	175	1021	2.9	0.0787	15.2	0.0107	2.0	0.13	68.4	1.3	76.9	11.3	349.9	343.1	68.4	1.3
IBB44-40	189	2430	3.3	0.0949	6.0	0.0110	2.5	0.41	70.4	1.7	92.1	5.3	699.4	116.1	70.4	1.7
IBB44-41	298	1488	2.6	0.0858	7.9	0.0112	2.3	0.29	71.8	1.7	83.6	6.3	435.1	168.1	71.8	1.7
IBB44-42	504	1708	2.7	0.0751	7.5	0.0110	1.2	0.15	70.6	0.8	73.5	5.3	170.9	172.2	70.6	0.8
IBB44-43	561	3674	2.8	0.0999	3.2	0.0142	2.3	0.71	91.2	2.1	96.7	3.0	234.6	52.1	91.2	2.1
IBB44-45	580	5488	1.2	0.0797	3.8	0.0117	1.3	0.33	75.1	0.9	77.8	2.9	163.0	85.1	75.1	0.9
IBB44-46	225	979	2.3	0.0839	6.0	0.0115	3.4	0.57	73.7	2.5	81.8	4.7	326.5	112.2	73.7	2.5
IBB44-47	166	5379	0.9	4.3107	8.5	0.2859	8.4	0.99	1621.2	120.5	1695.4	70.0	1788.4	21.2	1788.4	21.2
IBB44-48	454	3772	2.2	0.0817	5.3	0.0110	2.5	0.46	70.5	1.7	79.7	4.1	364.3	106.3	70.5	1.7
IBB44-49	272	1576	1.6	0.0850	6.6	0.0115	2.7	0.41	73.6	2.0	82.8	5.2	356.6	135.7	73.6	2.0
IBB44-50	323	2092	2.1	0.0846	3.6	0.0116	2.1	0.57	74.6	1.5	82.5	2.8	317.7	66.6	74.6	1.5
IBB44-51	263	3005	2.0	0.0943	4.4	0.0115	2.7	0.62	73.6	2.0	91.5	3.8	588.5	74.0	73.6	2.0
IBB44-52	102	169	2.9	0.0737	40.7	0.0115	7.7	0.19	73.5	5.6	72.2	28.4	30.4	992.9	73.5	5.6
IBB44-53	317	3008	2.3	0.0858	5.5	0.0116	4.3	0.77	74.3	3.1	83.6	4.4	356.1	79.0	74.3	3.1
IBB44-54	211	1012	2.4	0.0810	4.6	0.0112	2.0	0.43	71.6	1.4	79.1	3.5	310.4	95.2	71.6	1.4
IBB44-55	183	1267	2.1	0.0970	15.2	0.0114	3.6	0.24	73.1	2.6	94.0	13.6	662.6	316.9	73.1	2.6
IBB44-56	333	25368	17.6	2.0802	7.8	0.1782	7.2	0.92	1057.2	69.9	1142.3	53.4	1307.7	58.9	1307.7	58.9
IBB44-57	147	1104	4.0	0.1043	12.1	0.0111	3.1	0.26	71.2	2.2	100.7	11.6	872.9	243.4	71.2	2.2
IBB44-58	101	554	2.8	0.1002	14.6	0.0114	4.1	0.28	73.1	3.0	97.0	13.5	734.0	297.7	73.1	3.0
IBB44-59	104	592	1.6	0.1059	11.1	0.0110	4.4	0.39	70.8	3.1	102.2	10.8	915.7	210.0	70.8	3.1
IBB44-60	356	1983	2.2	0.0725	4.0	0.0107	2.7	0.68	68.4	1.8	71.0	2.7	160.0	68.9	68.4	1.8
IBB44-61	297	2029	2.3	0.0824	6.3	0.0118	4.3	0.68	75.4	3.2	80.4	4.9	229.9	107.2	75.4	3.2
IBB44-62	358	1651	2.5	0.0832	9.6	0.0117	3.4	0.35	75.1	2.5	81.1	7.5	263.2	206.6	75.1	2.5
IBB44-65	352	3177	3.7	0.0886	3.4	0.0111	1.8	0.52	71.0	1.2	86.2	2.8	530.0	64.4	71.0	1.2
IBB44-66	365	1749	2.4	0.0815	5.2	0.0110	2.8	0.54	70.4	1.9	79.5	3.9	364.1	98.1	70.4	1.9
IBB44-68	243	42224	1.0	3.2383	3.9	0.2583	2.9	0.73	1481.1	37.8	1466.4	30.2	1445.1	50.2	1445.1	50.2
IBB44-69	973	7364	1.7	0.0783	2.9	0.0113	2.1	0.71	72.4	1.5	76.6	2.2	209.9	47.8	72.4	1.5
IBB44-70	224	1723	1.8	0.0845	7.1	0.0112	3.5	0.49	71.8	2.5	82.4	5.6	402.6	138.5	71.8	2.5
IBB44-71	720	3701	7.5	0.0805	3.3	0.0113	1.7	0.53	72.2	1.3	78.7	2.5	278.7	63.2	72.2	1.3
IBB44-72	303	2917	1.9	0.0918	5.1	0.0114	2.3	0.46	72.9	1.7	89.2	4.3	549.1	98.2	72.9	1.7
IBB44-74	179	985	1.8	0.0920	7.4	0.0116	3.7	0.50	74.1	2.7	89.3	6.3	518.4	140.9	74.1	2.7
IBB44-73	207	160	1.9	0.0359	53.7	0.0107	4.8	0.09	68.5	3.3	35.8	18.9	-1846.9	2052.0	68.5	3.3
IBB44-75	192	2833	2.0	0.0995	5.9	0.0114	2.5	0.43	73.0	1.9	96.3	5.4	718.9	113.8	73.0	1.9
IBB44-76	349	933	2.6	0.0991	8.2	0.0154	1.8	0.22	98.8	1.8	96.0	7.5	26.1	191.1	98.8	1.8
IBB44-77	572	2818	1.7	0.0882	2.6	0.0135	1.6	0.62	86.7	1.4	85.8	2.1	60.9	48.5	86.7	1.4
IBB44-78	284	1705	3.0	0.0848	3.9	0.0115	1.3	0.34	73.4	1.0	82.7	3.1	360.1	82.6	73.4	1.0
IBB44-79	527	1925	2.8	0.0724	3.8	0.0107	1.8	0.47	68.7	1.2	71.0	2.6	147.5	78.3	68.7	1.2
IBB44-80	447	1489	2.3	0.0747	9.1	0.0111	2.7	0.30	70.8	1.9	73.1	6.4	148.5	203.7	70.8	1.9
IBB44-81	420	513	1.4	0.0666	10.7	0.0107	1.8	0.17	68.6	1.2	65.5	6.8	-45.4	255.9	68.6	1.2
IBB44-82	122	22937	2.7	4.9444	2.5	0.3222	1.1	0.46	1800.7	17.9	1809.9	20.9	1820.5	40.0	1820.5	40.0
IBB44-83	293	1454	2.7	0.0775	5.9	0.0110	2.2	0.36	70.3	1.5	75.8	4.3	252.6	126.7	70.3	1.5

IBB44-84	376	832	1.7	0.0746	5.9	0.0112	2.1	0.35	71.9	1.5	73.1	4.2	112.7	130.3	71.9	1.5
IBB44-85	325	598	2.1	0.0893	27.7	0.0112	3.5	0.13	71.6	2.5	86.9	23.1	530.6	612.6	71.6	2.5
IBB44-86	247	1059	2.2	0.0783	7.1	0.0112	2.6	0.37	71.7	1.9	76.6	5.2	230.0	152.2	71.7	1.9
IBB44-87	166	626	1.1	0.0928	11.5	0.0117	5.1	0.45	75.1	3.8	90.1	9.9	507.2	226.7	75.1	3.8
IBB44-88	327	1708	2.1	0.0814	5.7	0.0111	1.8	0.32	71.0	1.3	79.5	4.3	343.5	121.7	71.0	1.3
IBB44-89	245	1808	1.7	0.0924	5.6	0.0118	2.3	0.41	75.5	1.7	89.7	4.8	486.9	113.2	75.5	1.7
IBB44-90	160	1133	2.0	0.1041	7.2	0.0117	4.3	0.60	74.8	3.2	100.6	6.9	765.4	121.0	74.8	3.2
IBB44-91	89	208	2.8	0.0705	13.3	0.0114	5.4	0.40	72.9	3.9	69.2	8.9	-59.8	298.7	72.9	3.9
IBB44-92	151	628	2.1	0.1135	19.5	0.0122	3.9	0.20	78.0	3.1	109.2	20.2	856.8	399.6	78.0	3.1
IBB44-93	214	1215	2.2	0.0936	8.0	0.0112	4.2	0.53	72.1	3.0	90.9	6.9	616.6	145.7	72.1	3.0
IBB44-94	298	2600	1.1	0.0852	7.8	0.0112	4.1	0.52	71.9	2.9	83.0	6.2	414.5	149.5	71.9	2.9
IBB44-95	477	1982	1.6	0.0820	6.7	0.0117	3.4	0.51	74.9	2.5	80.0	5.1	237.4	132.5	74.9	2.5
IBB44-96	338	1179	2.0	0.0862	16.2	0.0114	2.7	0.17	73.0	1.9	84.0	13.0	410.4	358.4	73.0	1.9
IBB44-97	505	1915	2.1	0.0771	4.1	0.0109	2.6	0.63	69.9	1.8	75.5	3.0	254.9	74.4	69.9	1.8
IBB44-98	449	4337	1.8	0.0776	4.1	0.0111	2.2	0.54	71.2	1.6	75.9	3.0	224.4	81.0	71.2	1.6
IBB44-99	373	1068	2.0	0.0848	13.6	0.0115	2.5	0.19	73.9	1.9	82.6	10.8	341.6	303.6	73.9	1.9
IBB44-100	354	1336	2.5	0.0822	5.7	0.0118	2.4	0.42	75.3	1.8	80.2	4.4	227.9	118.7	75.3	1.8

Sample locations:

47º37'3"N - 112º42'35"W

1GRX, 1GRZ, 1GR100: base of measured section 47º36'9"N - 112º46'151"W

1GR14: 14 m upsection; 1GRX: 32 m upsection; 1GRZ: 42 m upsection; 1GR100: 100 m upsection

1SFSR1: 47º37'47"N - 112º51'32"W

47º36'42"N - 112º44'10"W base of section (sample 70 m upsection)

47º37'16"N - 112º40'17"W base of section (sample 80 m upsection)

47º37'39"N - 112º38'16"W base of section (sample 240 m upsection)

1BB44: 47º31'12"N - 112º35'22"W base of section (sample 44 m upsection)

Eb:

1GR14,

1FG70:

1SR80:

2SR240:

Notes:

1. Uncertainties for individual analyses are reported at the 1-sigma level, and include only measurement errors.
2. Systematic errors are as follows (at 2-sigma level):
   - EB: 1.4% (206Pb/238U) & 0.9% (206Pb/207Pb)
   - 1GR14: 3.1% (206Pb238U) & 0.9% (206Pb/207Pb)
   - 1GRZ: 2.1% (206Pb/238U) & 0.9% (206Pb/207Pb)
   - 1GR100: 2.3% (206Pb/238U) & 1% (206Pb/207Pb)
   - 1FG70: 1.9% (206Pb/238U) & 1% (206Pb/207Pb)
3. Analyses conducted by LA-MC-ICPMS, as described by Gehrels et al. (2008).
4. U concentration and U/Th are calibrated relative to Sri Lanka zircon standard and NIST SRM 610, and are ac
5. Common Pb correction is from measured 204Pb.
6. Common Pb composition interpreted from Stacey and Kramers (1975).
7. Common Pb composition assigned uncertainties of 1.0 for 206Pb/204Pb, 0.3 for 207Pb/204Pb, and 2.0 for 20
8. U/Pb and 206Pb/207Pb fractionation is calibrated relative to fragments of a large Sri Lanka zircon of 564 ± 4 I
9. U decay constants and composition as follows: 238U = 9.8485 x 10-10, 235U = 1.55125 x 10-10, 238U/235U

sample	Eb	1DD1	1DD2	1GR14	1GR17	1M5	1GR44	1GR100	1SFSR1	1SFSR54	1FG70	1FG83	1SR6	1SR15	1SR57	1SR80	1SR91	1SR118	1V2	3SR3	3SR5	2SR76	2SR87	2SR103	2SR184	2SR258	1TM3	1EM1	1PB42	1PB66	1BB25	1BB44	1BB61	SMR1	WC2	PH1	1FU3	1FU5	1W1	1W2
Qm	397	353	395	339	316	404	354	216	265	316	97	89	344	265	102	45	95	133	142	57	54	178	159	197	160	173	229	238	196	199	123	66	72	241	193	270	263	238	241	74
Qp	8	23	9	42	30	7	7	22	22	6	12	11	8	10	20	5	15	9	23	3	1	11	5	18	14	12	33	14	37	18	16	10	10	49	29	19	47	23	44	6
Qpt		1															2	1	2					1	1				2	1	3	1		2		3	3	2	2	
Qss															1		10								1			1												
silt							1	1			2	1			10			1	5					3	2	2		3	3		5		3	1	3	4	13	6	6	2
Chert/bk chert	3	48	28	32	74	29	51	189	130	105	123	127	37	53	54	10	45	25	68	11	9	24	26	37	13	49	15	36	42	17	35	4	3	16	49	65	13	35	13	2
Qt	408	425	432	413	420	440	413	428	417	427	234	228	389	328	187	60	167	169	240	71	64	213	190	256	191	236	277	292	280	235	182	81	88	309	274	361	339	306	306	84
K																						4	5	3			3	8		37						2	9	5	41	6
P				7	5		7	1	1		82	61	23	42	82	149	159	129	87	312	323	136	158	110	200		79	60	69	66	106	110	215	267	23	21	8	27	30	30	239
Ft	0	0	0	7	5	0	7	1	1	0	82	61	23	42	82	149	159	129	87	312	323	140	163	113	200	79	63	77	66	143	110	215	267	23	21	10	36	35	71	245
Phyllite		5	1		1			4	14	2	2	3	3	43	42	20	20	38	35		1	23	19	25	9	40	18	24	16	16	25	26	8	23	23	23	23	41	22	17
Schist					1									2	23	4		12	11				14	3	4	1	2	4	4		15	11	17	11	5	5	2	11	6	1
Serpschist																																								
Marble																																								
Lmet t	0	6	1	0	2	0	0	4	14	2	2	3	3	45	65	24	22	51	48	0	1	23	33	29	14	41	20	28	22	17	43	38	25	36	28	31	28	54	30	18
Lv.lath							1				1	1		2	14	86	19	7	5			2	2	1	1	16		1	4	3	22	9	6	2	5			2	2	23
Lv.microlitic															2		1		1				2		1				2								1		7
Lv.felsic				2	1			1			37	55	5	5	35	33	30	54	22	5		7	11	13	11	10	13	4	19	2	20	5	5	12	8	9	3	6	2	5
Lv.vitric					2			3	1					12	6	26		5	2	4			3		1		9	1	2	10		4	2		1				4	8
Lv.mafic				11	2						20	11	4	5	24	48	6	6	1			10	10	1	19	36			1		15	18	17		2			3	1	7
Lv t	0	0	0	13	5	0	1	4	1	0	58	67	9	24	81	193	56	72	31	9	0	19	28	15	33	62	22	6	28	15	57	36	30	14	16	9	3	12	9	50
Dolostone																																								
LS	36	12	10	8	1	7	13			5	5	2			2	1			6		4	30	2	13	1	1	29	15	30	12	28	3	1	38	69	23	33	14	6	2
Shale/mud	9	8	7	2	14	1	11	12	17	16	63	69	26	7	23	9	34	6	27	1		18	15	22	2	23	13	13	9	1	26	2	1	12	28	16	12	22	7	13
Ls t	48	68	45	42	89	37	75	201	147	126	191	198	63	60	79	20	79	31	101	12	13	72	43	72	16	73	57	64	81	30	89	9	5	66	146	104	58	71	26	17
Lt	48	74	46	55	96	37	76	209	162	128	251	268	75	129	225	237	157	154	180	21	14	114	104	116	63	176	99	98	131	62	189	83	60	116	190	144	89	137	65	85
L	45	25	18	23	22	8	24	19	32	23	126	140	38	76	160	227	100	127	105	10	5	90	78	75	46	125	84	58	84	44	146	78	54	97	138	72	60	92	44	81
Ep/Zo																																								
Chlorite											4	9			6	2	4	1						1	2	4		2		2	3	56	34	1	1		1	1	2	
Garnet																																								
Amph						1																					1			1							1			7
Musc	1			2	2		1	1			2	5		4	4	4		4	5					6			1	12	3	10	10			1	11	10		7	8	7
Biot																8	10	18	7	57	58	10	12		8	4	12	14	7	15	5	20	3	7	2	1			1	24
Tourm						3													1																	2				
PYX																																							2	
KYA																																								
CORD																																								
SIL																																								

zircon						2																1						1										2	1
caolinite				4								3															1										1		
glauconite				1	3																																1		
apatite																		1					1				1							1	1					