

Node	Space	46900 21/22	47002 22/23	48808 23/24	49720 24/25	50840 25/26	51036 26/27	52570 27/28	53583 28/29
ABHA1Q		0	0	0	0	0	0	0	0
ABHA4A		109	105	108	109	110	112	114	117
ABHA4B		109	105	108	109	110	112	114	117
ABNE10		34	34	33	33	32	32	31	31
ABTH20		148	148	150	151	153	159	164	170
ACHRR		0	0	0	0	0	0	0	0
ACGA1Q		0	0	0	0	0	0	0	0
ALDW20		81	81	81	81	81	81	81	81
ALNE1Q		7	7	6	6	6	6	6	6
ALNE1R		7	7	6	6	6	6	6	6
ALVE4A		164	158	162	163	165	167	171	175
ALVE4B		164	158	162	163	165	167	171	175
AMEM4A EPN		23	23	23	23	24	24	25	26
AMEM4A SEP		30	51	52	52	52	52	52	53
AMEM4B EPN		23	23	23	23	24	24	25	26
AMEM4B SEP		30	51	52	52	52	52	52	53
AMUL1E		0	0	0	0	0	0	0	0
AMUL1F		0	0	0	0	0	0	0	0
AMUL1G		0	0	0	0	0	0	0	0
AMUL1H		0	0	0	0	0	0	0	0
ANSU10		0	0	0	0	0	0	0	0
ARRB1Q		16	16	16	15	15	15	15	14
ARRB1R		16	16	16	15	15	15	15	14
ARDK10		-4	-4	-4	-4	-4	-4	-4	-4
AREC10		0	0	0	0	0	0	0	0
ARMO10		25	24	24	23	23	23	22	22
ALUCH20		0	0	0	0	0	0	0	0
ALUCH10		0	0	0	0	0	0	0	0
AXM40 SEP		105	110	112	118	121	123	125	128
AXM40 WPD		219	211	216	218	220	223	228	234
AYR-2Q		23	23	23	23	23	23	23	23
AYR-2R		23	23	23	23	23	23	23	23
BAGA1Q		19	18	18	18	18	18	18	18
BAGA1R		14	13	13	13	13	13	13	13
BAGB20		0	0	0	0	0	0	0	0
BAIN10		17	2	2	2	2	2	2	2
BARK20 EPN		106	106	106	107	108	109	112	115
BARK20 LFN		89	99	87	89	92	96	100	104
BARK40		0	0	0	0	0	0	0	0
BEAU10		26	25	25	24	24	23	23	23
BEAU1N		0	0	0	0	0	0	0	0
BEAU1P		0	0	0	0	0	0	0	0
BEAU1Q		0	0	0	0	0	0	0	0
BEAU1R		0	0	0	0	0	0	0	0
BEAU1S		0	0	0	0	0	0	0	0
BEAU1T		0	0	0	0	0	0	0	0
BEAU20		0	0	0	0	0	0	0	0
BEAU40		0	0	0	0	0	0	0	0
BEDD20 LFN		242	242	257	259	262	266	270	274
BEDD20 SPN		402	402	405	409	416	425	436	448
BEDD4A		0	0	0	0	0	0	0	0
BEDD4B		0	0	0	0	0	0	0	0
BEIN10		0	0	0	0	0	0	0	0
BERB20		31	32	31	31	30	29	29	29
BERW1Q		12	12	12	12	12	12	12	12
BERW1R		12	12	12	12	12	12	12	12
BESW20		337	345	368	376	386	391	399	408
BHLA10		0	0	0	0	0	0	0	0
BICFA4		104	104	105	106	107	108	109	110
BICF4B		104	104	105	106	107	108	109	110
BIHQ1Q		0	0	0	0	0	0	0	0
BIHQ1R		0	0	0	0	0	0	0	0
BRK20		191	195	211	216	221	224	231	236
BISW20		463	466	473	483	493	507	521	534
BLAC10		0	0	0	0	0	0	0	0
BLDW10		0	0	0	0	0	0	0	0
BLH10		0	0	0	0	0	0	0	0
BLH20		0	0	0	0	0	0	0	0
BLH40		0	0	0	0	0	0	0	0
BLKL10		0	0	0	0	0	0	0	0
BLKX10		0	0	0	0	0	0	0	0
BLYT20		-319	-320	-323	-323	-332	-345	-362	-383
BLYT4A		0	0	0	0	0	0	0	0
BLYT4B		0	0	0	0	0	0	0	0
BOAG1Q		10	10	10	10	10	9	9	9
BOAG1R		10	10	10	10	10	9	9	9
BODC40		0	0	0	0	0	0	0	0
BOLN40		743	763	769	788	810	825	847	871
BONS20		0	0	0	0	0	0	0	0
BONS40		0	0	0	0	0	0	0	0
BONN10		69	69	69	69	69	69	69	69
BONN2A		0	0	0	0	0	0	0	0
BONN2B		0	0	0	0	0	0	0	0
BOTW40		142	148	152	155	159	159	159	159
BRA20		37	36	36	35	35	34	33	33
BRA1Q		0	0	0	0	0	0	0	0
BRA1P		0	0	0	0	0	0	0	0
BRA1A		201	200	202	203	206	210	215	221
BRA1B		201	200	202	203	206	210	215	221
BRAP10		19	19	19	19	19	19	19	19
BRAP20		359	356	356	358	362	369	377	387
BRAW4A		0	0	0	0	0	0	0	0
BREC10		0	0	0	0	0	0	0	0
BRED20		255	263	217	221	240	243	239	255
BRF040		570	570	577	583	596	619	639	644
BRID1Q		12	12	11	11	11	11	11	11
BRID1R		12	12	11	11	11	11	11	11
BRIM2A EPN		77	77	78	78	79	81	83	85
BRIM2A LFN		31	31	31	32	33	34	35	36
BRIM2B EPN		77	77	78	78	79	81	83	85
BRIM2B LFN		31	31	31	32	33	34	35	36
BRIM2C EPN		77	77	78	78	79	81	83	85
BRIM2C LFN		31	31	31	32	33	34	35	36
BRIM2D EPN		0	0	0	0	0	0	0	0
BRIM2D LFN		0	0	0	0	0	0	0	0
BRIN20		0	0	0	0	0	0	0	0
BRIN40		0	0	0	0	0	0	0	0
BRLE40		841	881	956	1204	1231	1238	1252	1257
BRN40		0	0	0	0	0	0	0	0
BROK1Q		14	13	13	13	13	13	12	12
BROK1R		7	7	7	7	6	6	6	6
BROK1Q		0	0	0	0	0	0	0	0
BROK1R		22	14	14	14	14	14	14	14
BROX1R		22	14	14	14	14	14	14	14
BRW42A		200	194	200	204	208	213	220	225
BRW42B		200	194	200	204	208	213	220	225
BULL40		10	15	23	20	20	20	20	20
BUMJ10		41	40	35	39	38	38	37	36
BURW40		261	263	264	265	267	269	273	277
BUSB20		0	0	0	0	0	0	0	0
BUSN20		90	90	92	93	95	99	102	106
BUST20		348	350	356	362	367	366	366	366
BUST40		0	0	0	0	0	0	0	0
CAAD1Q		6	6	6	6	6	6	6	6
CAAD1R		6	6	6	6	6	6	6	6
CAFA1Q		-6	-6	-6	-6	-6	-6	-6	-6
CAIN20		34	34	33	33	32	31	31	30
CANT40		83	83	83	85	87	89	93	97
CAPE20		230	234	239	245	251	256	262	268
CAPE4A		0	0	0	0	0	0	0	0
CAPE4B		0	0	0	0	0	0	0	0
CARE20		148	148	150	151	153	159	164	170
CARR20		331	336	336	337	338	364	357	342
CARR40		0	0	0	0	0	0	0	0
CARRA4		0	0	0	0	0	0	0	0
CARR4B		0	0	0	0	0	0	0	0
CASS1Q		-3	-3	-3	-3	-3	-3	-3	-3
CATY1Q		12	12	12	12	12	12	12	12
CATY1R		8	8	8	8	8	8	8	8
CEAN1Q		-1	-1	0	0	0	0	0	0
CELL40 SPM		112	114	116	119	122	125	128	130
CELL40 WPD		362	362	368	384	402	417	428	442
CHAP10		41	41	41	41	41	41	41	41
CHAR10		21	21	20	20	20	19	19	19
CHAS20		20	20	20	20	20	20	20	20
CHAS2R		20	20	20	20	20	20	20	20
CHIC40		80	85	85	96	96	97	97	97
CHSI20		235	235	236	237	239	241	246	251
CHTE20		344	407	411	415	421	424	429	432
CLF2A		0	0	0	0	0	0	0	0
CLF2B		0	0	0	0	0	0	0	0
CLF40		0	0	0	0	0	0	0	0
CITR41		325	261	262	262	262	261	260	259
CITR46		325	261	262	262	262	261	260	259
CLAC1Q		-3	-3	-3	-3	-3	-3	-3	-3
CLAS20		0	0	0	0	0	0	0	0
CLAY1S		13	13	13	13	13	12	12	12
CLAY1T		13	13	13	13	13	12	12	12
CLEH40		0	0	0	0	0	0	0	0
CLUN1S		0	0	0	0	0	0	0	0
CLUN1T		0	0	0	0	0	0	0	0
CLYN20		67	67	67	67	67	67	67	67
CLYN20		0	0	0	0	0	0	0	0
CLYS2R		0	0	0	0	0	0	0	0
COAL10		0	0	0	0	0	0	0	0
COAL40		0	0	0	0	0	0	0	0
COAT20		29	19	12	12	12	12	12	12
COAT2R		29	19	12	12</				

CONN2J	0	0	0	0	0	0	0	0	JOHN1Q
CONN40	243	248	253	259	265	271	277	284	JORJ20
COR10	0	0	0	0	0	0	0	0	KAR20
COS040	0	0	0	0	0	0	0	0	KEAD40
COT140	0	0	0	0	0	0	0	0	KEAR20
COU41A	8	8	8	8	8	7	7	7	KEM540
COU41R	8	8	8	8	7	7	7	7	KEN440
COV220	421	435	446	459	468	484	489	494	KEC010
COW140	627	677	751	802	851	861	865	870	KIBY20
COW17A	0	0	0	0	0	0	0	0	KIER1Q
COYL10	34	34	34	34	34	34	34	34	KIN10
COYL20	0	0	0	0	0	0	0	0	KILE1Q
COY11T	0	0	0	0	0	0	0	0	KIL010
COYW2S	0	0	0	0	0	0	0	0	KIL520
COYW2T	0	0	0	0	0	0	0	0	KIL720
CRAI10	24	24	23	23	23	22	22	22	KILW1Q
CRBS2A	0	0	0	0	0	0	0	0	KIN040
CRBS2B	0	0	0	0	0	0	0	0	KINT10
CREB40	249	248	248	249	252	255	261	269	KIRW20
CRO01Q	22	22	22	22	22	22	22	22	KITW20
CRO01R	22	22	22	22	22	22	22	22	LACK20
CRSS10	0	0	0	0	0	0	0	0	LAIR1Q
CRSS15	0	0	0	0	0	0	0	0	LAL20 SEP
CRSS1R	0	0	0	0	0	0	0	0	LAL20 SPN
CRSS2A	0	0	0	0	0	0	0	0	LAND4A
CRSS2B	0	0	0	0	0	0	0	0	LEGS40
CRSS2C	0	0	0	0	0	0	0	0	LEIB4A
CRSS2D	0	0	0	0	0	0	0	0	LEIVE1Q
CRU420	0	0	0	0	0	0	0	0	LING1Q
CRYR10	0	0	0	0	0	0	0	0	LINM10
CRYR40	0	0	0	0	0	0	0	0	LISD20
CULL4A	0	0	0	0	0	0	0	0	LITT40 LPN
CULL1Q	0	0	0	0	0	0	0	0	LITT40 SPN
CUM81Q	5	5	5	5	5	5	5	5	LOV40
CUM81R	5	5	5	5	5	5	5	5	LUNA1Q
CUPA1Q	25	25	25	25	25	25	25	25	LUND1Q
CUPR1R	25	25	25	25	25	25	25	25	MACC20
CURR1Q	11	11	11	11	11	11	11	11	MAC310
CURR20	0	0	0	0	0	0	0	0	MAGA20
DAAS20	0	0	0	0	0	0	0	0	MAN40
DAIN40	0	0	0	0	0	0	0	0	MAYB10
DALL20	0	0	0	0	0	0	0	0	MEAD10
DALM10	0	-6	-6	-6	-6	-6	-6	-6	MELK40 SEP
DALM20	0	0	0	0	0	0	0	0	MELK40 WPD
DALM2R	0	0	0	0	0	0	0	0	MILC10
DEN410	0	0	0	0	0	0	0	0	MILHA EPN
DENN10	0	0	0	0	0	0	0	0	MILHA LPN
DENN20	0	0	0	0	0	0	0	0	MITY40
DENM40	0	0	0	0	0	0	0	0	MOSM10
DENS1Q	0	0	0	0	0	0	0	0	MYBS11
DERS1Q	0	0	0	0	0	0	0	0	NAIR1Q
DEV410	14	14	14	14	14	14	14	14	NEAR2Q
DEV440	0	0	0	0	0	0	0	0	NECH20
DEVO10	40	32	32	32	32	32	32	32	NEEP20
DEWP20	27	27	27	27	27	27	27	27	NETS10
DEWP2R	27	27	27	27	27	27	27	27	NEWX20
DIDC40	32	32	32	32	32	32	32	32	NFLF40
DING40	0	0	0	0	0	0	0	0	NHY200
DORE11	0	0	0	0	0	0	0	0	NINF40
DORE12	0	0	0	0	0	0	0	0	NOR12A
DOUN10	-1	-1	-1	-1	-1	-1	-1	-1	NORM40
DOUN20	0	0	0	0	0	0	0	0	NORT20
DRAX20	211	207	208	210	212	214	216	216	NURS40
DRAX40	0	0	0	0	0	0	0	0	OCKR20
DRAX4A	-4	-4	-4	-4	-4	-4	-5	-5	OFFE20
DRCR1Q	-16	-16	-16	-19	-19	-19	-19	-19	OLDB20
DRCR1R	-16	-16	-16	-19	-19	-19	-19	-19	ORR110
DRUM20	33	33	33	33	33	33	33	33	OSBA40
DRUM2R	33	33	33	33	33	33	33	33	PAD40
DUBE1Q	0	0	0	0	0	0	0	0	PAFB4B
DUCC1J	0	0	0	0	0	0	0	0	PAIS1Q
DUCC1K	0	0	0	0	0	0	0	0	PARR1Q
DUDH1Q	21	20	20	20	19	19	19	19	PEH10
DUDH1R	21	20	20	20	19	19	19	19	PEHG1Q
DUGR1Q	5	5	5	5	5	5	5	5	PELH40
DUM10	46	46	46	46	46	46	46	46	PENM40
DUNB1Q	8	8	8	8	8	8	8	8	PEN20
DUNB1R	8	8	8	8	8	8	8	8	PEN740
DUNE10	0	0	0	0	0	0	0	0	PERS10
DUNF1Q	17	15	15	15	15	15	15	15	PEWQ40
DUNF1R	17	15	15	15	15	15	15	15	PITS20
DUNJ20	0	0	0	0	0	0	0	0	POBR2Q
DUNG40	0	0	0	0	0	0	0	0	POPP20
DUNH1Q	0	0	0	0	0	0	0	0	PORA1Q
DUNH1R	0	0	0	0	0	0	0	0	PORD2Q
DUNHR	0	0	0	0	0	0	0	0	PUDM40
DUNM10	0	0	0	0	0	0	0	0	PULE20
DUNM1C	0	0	0	0	0	0	0	0	QU010
DUNQ1Q	7	7	7	6	6	6	6	6	RAIN20 SPM
DUNQ1R	7	7	7	6	6	6	6	6	RANM10
DYCE1Q	10	10	9	9	9	9	9	9	RASS40
DYCE1R	10	10	9	9	9	9	9	9	RAT540
EAL20	216	240	268	278	285	291	294	297	REB20
EASO40	193	192	193	194	195	197	202	207	REDH10
EAST1Q	-6	-6	-6	-6	-6	-6	-6	-6	REDM1Q
ECCF1J	1	1	1	1	1	1	1	1	ROGH20
ECCF1K	1	1	1	1	1	1	1	1	RUE40
ECCL10	36	37	37	37	37	37	37	37	RYG40
ECCL40	0	0	0	0	0	0	0	0	SAC01Q
ECLA40 EME	353	368	371	374	379	382	386	389	SAEN20
ECLA40 SEP	51	55	62	90	93	94	96	96	SALN20
ECLA40 WPD	41	42	43	44	46	48	50	52	SANK1Q
EDIN10	0	0	0	0	0	0	0	0	SBAR40
EERN20	76	76	76	76	76	76	76	76	SEB40
EGGG40	0	0	0	0	0	0	0	0	SELL40
EHAU10	0	0	0	0	0	0	0	0	SFEG1Q
EKIL2Q	0	0	0	0	0	0	0	0	SFEM1Q
EKIL2R	0	0	0	0	0	0	0	0	SFL1Q
EKL2S	24	24	24	24	24	24	24	24	SHEC20
EKL2T	24	24	24	24	24	24	24	24	SHIM10
EKRSS20	10	10	10	10	10	10	10	10	SHRE4A
ELDE1Q	12	12	12	12	12	12	12	12	SHRU2Q
ELDE1R	12	12	12	12	12	12	12	12	SIGW2Q
ELG1L	0	0	0	0	0	0	0	0	SLJW20
ELG1M	0	0	0	0	0	0	0	0	SKLG20
ELG1Q	23	22	22	22	21	21	21	20	SLQV10
ELG1R	23	22	22	22	21	21	21	20	SMAN20
ELLA20	306	303	303	304	307	311	317	324	SPAV1Q
ELST40	0	0	0	0	0	0	0	0	SRENA
ELST4A	0	0	0	0	0	0	0	0	SSH20
ELST4B	0	0	0	0	0	0	0	0	STAL20
ELV400	3	3	3	3	3	3	3	3	STAY40
ELV42R	3	3	3	3	3	3	3	3	STEW20
ELV440	0	0	0	0	0	0	0	0	STHA2A
ENDE40	486	490	502	506	515	520	525	530	STIR1S
ERR010	0	0	0	0	0	0	0	0	STLE10 SPD
ERR01A	0	0	0	0	0	0	0	0	STR1Q
ERR01B	0	0	0	0	0	0	0	0	STSB40
ERR01T	0	0	0	0	0	0	0	0	SUND40
ERSK1Q	7	7	7	7	7	7	7	7	SWAN20 SWA
ERSK1R	7	7	7	7	7	7	7	7	TARL1Q
ESST1Q	0	0	0	0	0	0	0	0	TAJN4A
ESST1R	0	0	0	0	0	0	0	0	TAYN1Q
EWEH1Q	0	0	0	0	0	0	0	0	TELL1Q
EXET40	200	194	200	204	208	213	220	225	TEMP2A
FAAR1Q	0	0	0	0	0	0	0	0	THS010
FAAR1R	0	0	0	0	0	0	0	0	TIRW20
FALL40	0	0	0	0	0	0	0	0	TILB20
FARI10	0	0	0	0	0	0	0	0	TINF2A
FARI20	0	0	0	0	0	0	0	0	TODP20
FARI2J	0	0	0	0	0	0	0	0	TONG10
FARI2K	0	0	0	0	0	0	0	0	TOTT20
FASN20	-2	-2	-2	-2	-2	-2	-2	-2	TRAW20
FAUG10	1	1	1	1	1	1	1	1	TREM20
FAUG20	0	0	0	0	0	0	0	0	TUMB1Q
FAUG40	0	0	0	0	0	0	0	0	TYN20
FAWL40	284	286	287	288	289	290	290	290	UPPB21
FECK20	120	120	122	123	126	129	131	134	USKM20
FECK40	120	120	122	123	125	129	131	134	WALP40 EME
FENW4A	0	0	0	0	0	0	0	0	WALP40 EPN
FERO10	0	0	0	0	0	0	0	0	WARS20
FERO1S	0	0	0	0	0	0	0	0	WASF2A
FERR20	0	0	0	0	0	0	0	0	WATS2A
FERR20 NED	0	0	0	0	0	0	0	0	WB0220
FERR20 YED	152	152	152	155	159	163	168	172	WBUR40
FERR2A	0	0	0	0	0	0	0	0	WFIE1A
FERR2A NED	0	0	0	0	0	0	0	0	WGGC2Q
FERR2A YED	37	37	37	38	40	41	42	43	WHAM40
FERR2B	0	0	0	0	0	0	0	0	WHGA20
FERR2B NED	0	0	0	0	0	0	0	0	WHRC2Q
FERR2B YED	37	37	37	38	40	41	42	43	WHSO20
FERR4A	0	0	0	0	0	0	0	0	WHL1S
FETT10	0	0	0	0	0	0	0	0	WIL10
FETT20	82	81	79	78	77	76	75	73	WIEN2A
FFES20	0	0	0	0	0	0	0	0	WILE20
FIDD10	-28	-28	-27	-27	-26	-26	-26	-25	WIMB20
FIDDB	0	0	0	0	0	0	0	0	WIOV1Q

LAMB20	0	0	0	0	0	0	0	0
LAMBZT	0	0	0	0	0	0	0	0
LAND4A	36	35	36	36	37	38	39	40
LAND4B	36	35	36	36	37	38	39	40
LEG4A0	266	272	278	284	291	298	304	311
LEG4A4	0	0	0	0	0	0	0	0
LEG4AB	0	0	0	0	0	0	0	0
LEIBA	10	10	10	10	10	10	10	10
LEIB4B	10	10	10	10	10	10	10	10
LEIS10	0	0	0	0	0	0	0	0
LEVE1Q	9	9	9	9	9	9	9	9
LEVE1R	9	9	9	9	9	9	9	9
LEV1TQ	0	0	0	0	0	0	0	0
LEV1TR	0	0	0	0	0	0	0	0
LING1Q	18	18	18	18	18	18	18	18
LING1R	18	18	18	18	18	18	18	18
LINM1Q	20	20	20	20	20	20	20	20
LINM1R	20	20	20	20	20	20	20	20
LISD20	305	311	318	325	332	340	348	356
LISD2A	0	0	0	0	0	0	0	0
LITB40	0	0	0	0	0	0	0	0
LITZ2A	0	0	0	0	0	0	0	0
LITZ2B	0	0	0	0	0	0	0	0
LITT40	0	0	0	0	0	0	0	0
LITT40 LPN	140	140	132	134	138	142	145	150
LITV40 SPN	5	5	5	5	5	5	5	5
LOAN20	0	0	0	0	0	0	0	0
LOAN2Z	0	0	0	0	0	0	0	0
LOAN2R	0	0	0	0	0	0	0	0
LOCB10	0	0	0	0	0	0	0	0
LOCB20	0	0	0	0	0	0	0	0
LOCH10	0	0	0	0	0	0	0	0
LOCL1Q	0	0	0	0	0	0	0	0
LOCL1R	0	0	0	0	0	0	0	0
LOCL1S	0	0	0	0	0	0	0	0
LOF4A	0	0	0	0	0	0	0	0
LOF4B	0	0	0	0	0	0	0	0
LOV40	639	663	637	655	687	677	685	689
LUC1Q	0	0	0	0	0	0	0	0
LUC1R	0	0	0	0	0	0	0	0
LUMB1Q	0	0	0	0	0	0	0	0
LUMB1R	0	0	0	0	0	0	0	0
LUNA1Q	15	15	14	14	14	14	14	13
LUNA1R	15	15	14	14	14	14	14	13
LYND1Q	12	12	12	12	12	12	11	11
LYND1R	12	12	12	12	12	12	11	11
MACC20	44	49	50	54	54	56	50	49
MACC40	0	0	0	0	0	0	0	0
MACD10	-12	-11	-11	-11	-11	-11	-11	-10
MAGA20	0	0	0	0	0	0	0	0
MAH10	0	0	0	0	0	0	0	0
MAH20	0	0	0	0	0	0	0	0
MANN40	643	694	775	794	800	803	805	781
MARG10	0	0	0	0	0	0	0	0
MAW40	0	0	0	0	0	0	0	0
MAYB10	9	7	7	7	7	7	7	7
MAYT1T	0	0	0	0	0	0	0	0
MEAD10	22	22	22	22	22	22	22	22
MEDW40	0	0	0	0	0	0	0	0
MELG10	0	0	0	0	0	0	0	0
MELG40	0	0	0	0	0	0	0	0
MELK2A	0	0	0	0	0	0	0	0
MELK2B	0	0	0	0	0	0	0	0
MELK40 SEP	369	407	565	623	626	627	629	631
MELK40 WPD	240	230	234	235	238	240	246	250
MIDL40	0	0	0	0	0	0	0	0
MIDM10	0	0	0	0	0	0	0	0
MILC10	52	51	51	50	49	48	48	47
MILH2A EPN	99	100	102	103	105	108	111	114
MILH2A LPN	0	0	0	0	0	0	0	0
MILH2B EPN	99	100	102	103	105	108	111	114
MILH2B LPN	0	0	0	0	0	0	0	0
MILS1Q	0	0	0	0	0	0	0	0
MILW1Q	0	0	0	0	0	0	0	0
MILW1S	0	0	0	0	0	0	0	0
MITY40	428	481	628	691	697	700	702	704
MOFF10	0	0	0	0	0	0	0	0
MOFF40	0	0	0	0	0	0	0	0
MONF20	0	0	0	0	0	0	0	0
MONF40	0	0	0	0	0	0	0	0
MONF4A	0	0	0	0	0	0	0	0
MOSH1Q	0	0	0	0	0	0	0	0
MOSH1R	0	0	0	0	0	0	0	0
MOSM10	17	17	17	17	17	17	17	17
MOSM20	0	0	0	0	0	0	0	0
MOSM2L	0	0	0	0	0	0	0	0
MOSM2T	0	0	0	0	0	0	0	0
MOSS1S	0	0	0	0	0	0	0	0
MOSS1T	0	0	0	0	0	0	0	0
MOTR1Q	0	0	0	0	0	0	0	0
MOTR1R	0	0	0	0	0	0	0	0
MYBS11	-6	-6	-6	-6	-6	-5	-5	-5
MYBS12	-6	-6	-6	-6	-6	-5	-5	-5
MYBS1T	0	0	0	0	0	0	0	0
NAIR1Q	15	15	15	15	14	14	14	14
NAIR1R	15	15	15	15	14	14	14	14
NANT1Q	0	0	0	0	0	0	0	0
NEAR20	71	69	69	69	69	69	69	69
NEAR2R	0	0	0	0	0	0	0	0
NECH20	207	209	215	220	227	256	269	285
NECT40	0	0	0	0	0	0	0	0
NECT4A	0	0	0	0	0	0	0	0
NECT4B	0	0	0	0	0	0	0	0
NECU10	0	0	0	0	0	0	0	0
NECU20	0	0	0	0	0	0	0	0
NEEP20	71	71	71	71	72	73	75	76
NEEPA	0	0	0	0	0	0	0	0
NEIL10	0	0	0	0	0	0	0	0
NEIL1C	0	0	0	0	0	0	0	0
NEIL20	0	0	0	0	0	0	0	0
NEIL2A	0	0	0	0	0	0	0	0
NEIL2C	0	0	0	0	0	0	0	0
NEIL4A	0	0	0	0	0	0	0	0
NETS10	-1	-4	-4	-4	-4	-4	-4	-4
NEWX20	446	594	584	569	573	765	774	784
NFL40	403	402	403	406	412	425	438	453
NIY020	173	182	202	273	279	291	293	293
NINF40	437	437	352	384	387	391	402	414
NORL2A	26	26	27	27	28	28	29	30
NORL2B	26	26	27	27	28	28	29	30
NORM40	289	288	289	291	299	307	324	341
NORT20	354	352	353	355	360	366	374	384
NORT40	0	0	0	0	0	0	0	0
NURS40	170	182	192	196	196	197	197	198
NURS4A	170	182	192	196	196	197	197	198
OCHK20	172	171	170	171	171	172	172	173
OCHK2A	0	0	0	0	0	0	0	0
OFFE20	47	47	48	48	48	49	50	51
OLDB20	81	80	80	81	82	83	85	86
OLDB4A	0	0	0	0	0	0	0	0
OLDS10	0	0	0	0	0	0	0	0
ORRR10	0	0	0	0	0	0	0	0
OSBA40	371	369	371	378	387	397	409	418
PADI40	81	86	81	69	68	68	68	75
PAFB4A	0	0	0	0	0	0	0	0
PAFB4B	16	16	16	16	16	16	15	15
PAIS1Q	16	12	12	12	12	12	12	12
PAIS1R	16	12	12	12	12	12	12	12
PAIS1S	0	0	0	0	0	0	0	0
PAIS1T	0	0	0	0	0	0	0	0
PART1Q	32	32	32	32	32	32	32	32
PART1R	32	32	32	32	32	32	32	32
PEHE10	7	7	7	7	7	7	7	7
PEHE20	0	0	0	0	0	0	0	0
PEHE1Q	10	9	9	9	9	9	9	9
PEHE1R	10	9	9	9	9	9	9	9
PELH40	181	181	182	184	188	191	198	205
PEMB40	183	186	189	172	176	181	186	191
PENK20	253	257	265	275	293	299	313	326
PENNA4	0	0	0	0	0	0	0	0
PENNA8	0	0	0	0	0	0	0	0
PENV40	121	124	127	129	133	138	139	142
PERS10	41	40	40	39	38	38	37	37
PERS20	0	0	0	0	0	0	0	0
PEW021	0	0	0	0	0	0	0	0
PEW022	0	0	0	0	0	0	0	0
PEW040	179	229	192	166	195	195	154	158
PEW04A	0	0	0	0	0	0	0	0
PEW04B	0	0	0	0	0	0	0	0
PIFS20	44	44	44	44	44	44	44	45
POOB20	44	46	46	46	46	46	46	46
POOB2R	38	38	38	38	38	38	38	38
PORP20	43	43	43	43	44	44	45	46
PORA1Q	3	3	3	3	3	3	3	3
PORA1R	3	3	3	3	3	3	3	3
PORD20	17	17	17	17	17	17	17	17
PORD2R	17	17	17	17	17	17	17	17
PUDM40	0	0	0	0	0	0	0	0
PFILE20	84	93	92	92	81	92	92	93
QUER4A	0	0	0	0	0	0	0	0
QUER4B	0	0	0	0	0	0	0	0
QUO10	0	0	0	0	0	0	0	0
QUO1Q	0	0	0	0	0	0	0	0
RAIN20 ENW	0	0	0	0	0	0	0	0
RAIN20 SPN	355	362	370	398	405	415	424	434
RANN1Q	-28	-27	-27	-27	-26	-26	-25	-25
RANN1R	-28	-27	-27	-27	-26	-26	-25	-25
RASS40	197	197	199	200	204	212	218	227
RATS2A	0	0	0	0	0	0	0	0
RATS40	400	392	399	403	413	418	425	429
RAYL40	201	200	202	203	206	210	215	221
REBR20	114	114	115	117	120	124	128	133
REDH10	37	37	37	37	37	37	37	37
REDM1Q	14	14	14	14	13	13	13	13
REDM1R	14	14	14	14	13	13	13	13

RHG40	0	0	0	0	0	0	0	0
ROCK20	223	366	296	170	280	234	175	206
ROCK40	0	0	0	0	0	0	0	0
ROCK40	133	133	133	133	133	133	133	133
RODZ0	0	0	0	0	0	0	0	0
ROWCHA	0	0	0	0	0	0	0	0
ROWD4B	0	0	0	0	0	0	0	0
RUG540	218	218	221	224	228	235	240	246
RYEH40	144	143	143	144	145	148	151	155
RYEH4A	144	143	143	144	145	148	151	155
RYEH4B	0	0	0	0	0	0	0	0
RYHA40	0	0	0	0	0	0	0	0
SACQ1Q	30	30	30	30	30	30	30	30
SACQ1R	26	26	26	26	26	26	26	26
SAEN20	27	27	27	27	27	27	27	28
SAES20	0	0	0	0	0	0	0	0
SALH20	-22	-22	-22	-22	-22	-21	-21	-21
SANK1Q	24	24	24	24	24	24	24	24
SANX1R	16	16	16	16	16	16	16	16
SBAR40	125	156	171	172	177	180	183	185
SEAB40	219	209	212	212	213	214	216	219
SELL40	468	468	470	473	481	490	503	518
SELL40	0	0	0	0	0	0	0	0
SFEG1Q	-32	-32	-32	-32	-32	-32	-32	-32
SFEG1R	-32	-32	-32	-32	-32	-32	-32	-32
SFEG1S	0	0	0	0	0	0	0	0
SFEG1T	0	0	0	0	0	0	0	0
SFEM1Q	11	11	11	11	11	11	11	11
SFEM1R	11	11	11	11	11	11	11	11
SFER10	0	0	0	0	0	0	0	0
SFIL1Q	-5	-5	-5	-5	-5	-5	-5	-4
SIBM40	0	0	0	0	0	0	0	0
SIEC20	62	62	61	61	61	61	61	61
SHIN10	1	1	1	1	1	1	1	1
SHR2A	133	134	136	139	142	148	152	156
SHRU2Q	26	26	26	26	26	26	26	26
SHRU2R	26	26	26	26	26	26	26	26
SIGH2Q	44	44	44	44	44	44	44	44
SIGH2R	44	44	44	44	44	44	44	44
SING40	0	0	0	0	0	0	0	0
SIZE10	0	0	0	0	0	0	0	0
SIZE40	0	0	0	0	0	0	0	0
SJOW20	464	462	460	458	456	456	456	456
SJOW40	464	462	460	458	456	456	456	456
SKLG20	476	472	471	473	476	482	489	497
SLOY10	1	1	1	1	1	1	1	1
SLOY1T	0	0	0	0	0	0	0	0
SMAN20	269	243	256	286	292	291	280	260
SMEA10	0	0	0	0	0	0	0	0
SMEA20	0	0	0	0	0	0	0	0
SMEA4Q	0	0	0	0	0	0	0	0
SMEA4R	0	0	0	0	0	0	0	0
SPAV1Q	16	16	16	16	16	16	16	16
SPAV1R	16	16	16	16	16	16	16	16
SPENMA	166	165	165	167	168	171	176	181
SPEN4B	0	0	0	0	0	0	0	0
SPTT10	0	0	0	0	0	0	0	0
SPTZ20	0	0	0	0	0	0	0	0
SPLN40	0	0	0	0	0	0	0	0
SSH20	42	42	42	42	43	43	44	45
STAH4A	97	114	108	96	104	116	94	98
STAH4B	97	114	108	96	104	116	94	98
STAL20	284	296	279	294	314	342	314	297
STAL40	0	0	0	0	0	0	0	0
STAY40	235	238	325	328	336	341	347	352
STAY4A	0	0	0	0	0	0	0	0
STEW20	272	270	269	270	271	274	277	281
STEW2A	88	87	87	87	88	89	90	92
STEW40	0	0	0	0	0	0	0	0
STH420	0	0	0	0	0	0	0	0
STHA2A	25	25	25	25	25	25	25	25
STHA2B	25	25	25	25	25	25	25	25
STHA40	0	0	0	0	0	0	0	0
STIR1Q	0	0	0	0	0	0	0	0
STIR1R	0	0	0	0	0	0	0	0
STIR1S	8	1	1	1	1	1	1	1
STIR1T	8	1	1	1	1	1	1	1
STILE10 SHEPD	0	0	0	0	0	0	0	0
STILE10 SPD	33	33	33	33	33	33	33	33
STRB20	0	0	0	0	0	0	0	0
STR1Q	-8	-8	-8	-8	-7	-7	-7	-7
STR1R	-8	-8	-8	-8	-7	-7	-7	-7
STR10	0	0	0	0	0	0	0	0
STRW10	0	0	0	0	0	0	0	0
STRW1C	0	0	0	0	0	0	0	0
STSB40	0	0	0	0	0	0	0	0
STSB4A	0	0	0	0	0	0	0	0
STWB4A	0	0	0	0	0	0	0	0
STWB4B	0	0	0	0	0	0	0	0
SUN240	626	533	538	545	556	567	583	601
SWAN20 SPM	0	0	0	0	0	0	0	0
SWAN20 SWA	461	459	462	465	470	481	488	498
SWAN2A	0	0	0	0	0	0	0	0
SWAN4A	0	0	0	0	0	0	0	0
SWAN4A	0	0	0	0	0	0	0	0
TARL1Q	7	7	7	7	7	7	7	7
TARL1R	7	7	7	7	7	7	7	7
TALN4A	55	52	53	53	53	53	54	55
TALN4B	55	52	53	53	53	53	54	55
TAYN1Q	13	13	13	13	12	12	12	12
TAYN1R	13	13	13	13	12	12	12	12
TEAL10	0	0	0	0	0	0	0	0
TEAL20	0	0	0	0	0	0	0	0
TELRIQ	11	11	11	11	11	11	11	11
TELRIR	11	11	11	11	11	11	11	11
TEMP2A	14	14	14	14	10	10	10	10
TEMP2B	14	14	14	14	10	10	10	10
THOM20	175	174	176	178	184	189	195	202
THOM41	0	0	0	0	0	0	0	0
THOM46	0	0	0	0	0	0	0	0
THSO10	24	24	24	23	23	22	22	22
THSO20	0	0	0	0	0	0	0	0
THG40	0	0	0	0	0	0	0	0
THUR20	90	90	90	91	93	94	96	99
THUR2A	0	0	0	0	0	0	0	0
TILB20	90	91	91	92	94	96	98	101
TILB40	90	91	91	92	94	96	98	101
TILB4A	0	0	0	0	0	0	0	0
TILB4B	0	0	0	0	0	0	0	0
TINP2A	2	2	2	2	2	2	2	2
TINP2B	2	2	2	2	2	2	2	2
TODP20	0	0	0	0	0	0	0	0
TOMT10	0	0	0	0	0	0	0	0
TOMT20	0	0	0	0	0	0	0	0
TONG10	-1	-4	-4	-4	-4	-4	-4	-4
TONG1Q	0	0	0	0	0	0	0	0
TONG1R	0	0	0	0	0	0	0	0
TORN10	0	0	0	0	0	0	0	0
TORN40	0	0	0	0	0	0	0	0
TOTT20	262	262	265	269	274	283	292	301
TRAN20	46	49	50	51	52	53	55	56
TRAW40	0	0	0	0	0	0	0	0
TREM20	0	0	0	0	0	0	0	0
TREL4A	0	0	0	0	0	0	0	0
TREL4B	0	0	0	0	0	0	0	0
TUMB1Q	-6	-6	-6	-6	-6	-6	-6	-5
TUMB1R	-6	-6	-6	-6	-6	-6	-6	-5
TUMM1Q	0	0	0	0	0	0	0	0
TUMM1R	0	0	0	0	0	0	0	0
TUMM20	0	0	0	0	0	0	0	0
TUMM4A	0	0	0	0	0	0	0	0
TUNE20	153	152	153	154	156	158	161	165
TUNE2A	0	0	0	0	0	0	0	0
UPPB21	107	107	108	110	113	124	130	138
UPPB22	107	107	108	110	113	124	130	138
USKM20	240	237	236	236	236	241	245	250
USKM2A	0	0	0	0	0	0	0	0
USKM2B	0	0	0	0	0	0	0	0
WALP40	300	350	353	359	364	371	377	384
WALP40 EME	152	147	147	141	143	144	145	146
WALP40 EPN	288	257	259	259	261	262	268	274
WALX20	0	0	0	0	0	0	0	0
WALX4A	0	0	0	0	0	0	0	0
WALX4B	0	0	0	0	0	0	0	0
WALX20	232	232	254	256	261	271	278	279
WASF2A	25	24	-17	-23	-18	-5	-23	-16
WASF2B	25	24	-17	-23	-18	-5	-23	-16
WATS2A	159	159	161	163	166	169	174	180
WATS2B	159	159	161	163	166	169	174	180
WBO420	213	213	216	219	225	230	237	244
WBUR40	228	230	232	234	237	238	241	242
WDOD10	0	0	0	0	0	0	0	0
WFIE20	0	0	0	0	0	0	0	0
WFIE10	0	0	0	0	0	0	0	0
WFIE1A	10	2	2	2	2	2	2	2
WFIE1B	10	2	2	2	2	2	2	2
WFIE20	0	0	0	0	0	0	0	0
WGE02Q	22	22	22	22	22	22	22	22
WGE02R	22	22	22	22	22	22	22	22
WHAM40	532	538	562	539	551	565	569	573
WHAM4A	0	0	0	0	0	0	0	0
WHAM4B	0	0	0	0	0	0	0	0
WHAM4C	0	0	0	0	0	0	0	0
WHGA20	118	110	85	83	88	120	89	80
WHH02Q	26	26	26	26	26	26	26	26
WHH02R	26	26	26	26	26	26	26	26
WHIB1A	0	0	0	0	0	0	0	0
WHIB1B	0	0	0	0	0	0	0	0
WHIB1C	0	0	0	0	0	0	0	0
WHIB1D	0	0	0	0	0	0	0	0
WHIB1E	0	0	0	0	0	0	0	0
WHIB1F	0	0	0	0	0	0	0	0
WHIB1G	0	0	0	0	0	0	0	0
WHIB1H	0	0	0	0	0	0	0	0
WHSS00	59	59	59	59	59			

WHSO2B	0	0	0	0	0	0	0	0
WHSO4A	0	0	0	0	0	0	0	0
WHSO4B	0	0	0	0	0	0	0	0
WHTB1S	0	0	0	0	0	0	0	0
WHTB1T	0	0	0	0	0	0	0	0
WHTL1S	8	8	8	8	8	8	8	8
WHTL1T	8	8	8	8	8	8	8	8
WIBA20	-12	-12	-12	-12	-12	-12	-12	-12
WIEN2A	52	52	52	53	54	55	55	56
WIEN2B	52	52	52	53	54	55	55	56
WILE20	159	176	177	179	181	184	186	188
WILE40	159	176	177	179	181	184	186	188
WIMB20	479	479	481	543	550	559	569	580
WIOW1Q	14	14	13	13	13	13	13	12
WIOW1R	14	14	13	13	13	13	13	12
WISD20 EPN	76	75	54	54	54	55	55	56
WISD20 LPN	292	293	294	295	299	305	310	315
WISD20 SEP	159	183	218	276	328	329	329	330
WISD2A	0	0	0	0	0	0	0	0
WISD2B	0	0	0	0	0	0	0	0
WISD4A	0	0	0	0	0	0	0	0
WISD4B	0	0	0	0	0	0	0	0
WISH10	0	0	0	0	0	0	0	0
WISH20	77	77	77	77	73	73	73	73
WISH40	0	0	0	0	0	0	0	0
WIYH10	0	0	0	0	0	0	0	0
WIYH20	0	0	0	0	0	0	0	0
WIYH2R	0	0	0	0	0	0	0	0
WIYH4Q	0	0	0	0	0	0	0	0
WLEE20	0	0	0	0	0	0	0	0
WLEX20	0	0	0	0	0	0	0	0
WMEL20	372	371	374	376	385	393	403	415
WOHI1Q	19	18	18	18	17	17	17	17
WOHI1R	19	18	18	18	17	17	17	17
WTHJ4A	17	16	17	17	17	17	17	17
WTHJ4B	17	16	17	17	17	17	17	17
WTHJ4C	0	0	0	0	0	0	0	0
WTHJ4D	0	0	0	0	0	0	0	0
WTHJ4E	0	0	0	0	0	0	0	0
WTHJ4F	0	0	0	0	0	0	0	0
WWEY20	383	384	387	390	396	403	412	422
WWEY2A	0	0	0	0	0	0	0	0
WWEY4A	0	0	0	0	0	0	0	0
WWEY4B	0	0	0	0	0	0	0	0
WYLF40	51	50	51	52	53	55	56	57
WYMO40	201	204	205	207	211	214	221	228