

Supplementary Table 2. Gene clusters in the 18 low GC content regions.

Cluster 1

Organism	IS21 family transposase	transposase
<u>sth</u>	<u>STH274</u>	<u>STH275</u>
<u>cth</u>	<u>Cthe_2005</u>	<u>Cthe_2004</u>
<u>atu</u>	<u>Atu4861</u>	<u>Atu4862</u>
<u>swi</u>	<u>Swit_4957</u>	<u>Swit_4958</u>
<u>slp</u>	<u>Slip_1606</u>	<u>Slip_1605</u>
<u>drt</u>	<u>Dret_1015</u>	<u>Dret_1016</u>
<u>ttn</u>	<u>Tthe_0692</u>	<u>Tthe_0691</u>
<u>oan</u>	<u>Oant_0708</u>	<u>Oant_0704</u>
<u>dat</u>	<u>HRM2_39500</u>	<u>HRM2_39510</u>
<u>pmo</u>	<u>Pmob_0682</u>	<u>Pmob_0683</u>
<u>afn</u>	<u>Acfer_1774</u>	<u>Acfer_1775</u>
<u>mva</u>	<u>Mvan_3265</u>	<u>Mvan_3264</u>
<u>swo</u>	<u>Swol_0023</u>	<u>Swol_0024</u>
<u>rha</u>	<u>RHA1_ro08527</u>	<u>RHA1_ro08528</u>
<u>toc</u>	<u>Toce_0281</u>	<u>Toce_0280</u>
<u>gka</u>	<u>GK0784</u>	<u>GK0783</u>
<u>bch</u>	<u>Bcen2424_0005</u>	<u>Bcen2424_0004</u>
<u>bcn</u>	<u>Bcen_2557</u>	<u>Bcen_2556</u>
<u>see</u>	<u>SNSL254_p_0154</u>	<u>SNSL254_p_0155</u>
<u>pol</u>	<u>Bpro_5322</u>	<u>Bpro_5321</u>
<u>shi</u>	<u>Shel_03410</u>	<u>Shel_03390</u>
<u>mpt</u>	<u>Mpe_A1465</u>	<u>Mpe_A1464</u>
<u>cef</u>	<u>CE1245</u>	<u>CE1244</u>
<u>mlu</u>	<u>Mlut_12190</u>	<u>Mlut_12180</u>

Cluster 2

Organism	oligopeptide ABC transporter ATP- binding protein	ABC transporter ATP binding protein	oligopeptide ABC transporter permease protein	oligopeptide ABC transporter permease protein

<u>sth</u>	STH296	STH297	STH298	STH299
<u>ttr</u>	Tter_0899	Tter_0898	Tter_0897	Tter_0896
<u>tte</u>	TTE0228	TTE0227	TTE0226	TTE0225
<u>nda</u>	Ndas_0485	Ndas_0484	Ndas_0483	Ndas_0482

Cluster 3    hypothetical protein    hypothetical protein    hypothetical protein    hypothetical protein

<u>sth</u>	STH309	<u>STH310</u>	<u>STH311</u>	<u>STH312</u>
<u>tth</u>	TT_P0132	<u>TT_P0133</u>	<u>TT_P0134</u>	<u>TT_P0135</u>
<u>slp</u>	Slip_1548	<u>Slip_1547</u>	<u>Slip_1546</u>	<u>Slip_1545</u>
<u>pth</u>	PTH_1994	<u>PTH_1993</u>	<u>PTH_1992</u>	<u>PTH_1991</u>
<u>mta</u>	Moth_0498	<u>Moth_0497</u>	<u>Moth_0496</u>	<u>Moth_0495</u>
<u>mca</u>	MCA0657	<u>MCA0656</u>	<u>MCA0655</u>	<u>MCA0654</u>
<u>nhl</u>	Nhal_1941	<u>Nhal_1942</u>	<u>Nhal_1943</u>	<u>Nhal_1944</u>
<u>dvm</u>	DvMF_1971	<u>DvMF_1972</u>	<u>DvMF_1973</u>	<u>DvMF_1974</u>
<u>hna</u>	Hneap_0826	<u>Hneap_0825</u>	<u>Hneap_0824</u>	<u>Hneap_0823</u>
<u>mxn</u>	MXAN_7020	<u>MXAN_7019</u>	<u>MXAN_7018</u>	<u>MXAN_7017</u>
<u>gme</u>	Gmet_1064	<u>Gmet_1065</u>	<u>Gmet_1066</u>	<u>Gmet_1067</u>
<u>tjr</u>	TherJR_1890	<u>TherJR_1889</u>	<u>TherJR_1888</u>	<u>TherJR_1887</u>
<u>tra</u>	Trad_1659	<u>Trad_1660</u>	<u>Trad_1661</u>	<u>Trad_1662</u>
<u>dma</u>	DMR_14350	<u>DMR_14360</u>	<u>DMR_14370</u>	<u>DMR_14380</u>
<u>dvl</u>	Dvul_2978	<u>Dvul_2977</u>	<u>Dvul_2976</u>	<u>Dvul_2975</u>
<u>psa</u>	PST_3745	<u>PST_3746</u>	<u>PST_3747</u>	<u>PST_3748</u>
<u>drm</u>	Dred_1002	<u>Dred_1003</u>	<u>Dred_1004</u>	<u>Dred_1005</u>
<u>dbr</u>	Deba_1657	<u>Deba_1658</u>	<u>Deba_1659</u>	<u>Deba_1660</u>
<u>pph</u>	Ppha_1657	<u>Ppha_1658</u>	<u>Ppha_1659</u>	<u>Ppha_1660</u>
<u>swl</u>	Swol_0475	<u>Swol_0476</u>	<u>Swol_0477</u>	<u>Swol_0478</u>
<u>dvu</u>	DVUA0129	<u>DVUA0130</u>	<u>DVUA0131</u>	<u>DVUA0132</u>
<u>ddd</u>	Dda3937_02857	<u>Dda3937_02858</u>	<u>Dda3937_02859</u>	<u>Dda3937_02860</u>
<u>fra</u>	Francci3_3341	<u>Francci3_3342</u>	<u>Francci3_3343</u>	<u>Francci3_3344</u>
<u>hch</u>	HCH_02813	<u>HCH_02814</u>	<u>HCH_02815</u>	<u>HCH_02816</u>
<u>ssp</u>	Spirs_1069	<u>Spirs_1070</u>	<u>Spirs_1071</u>	<u>Spirs_1072</u>
<u>lch</u>	Lcho_1161	<u>Lcho_1160</u>	<u>Lcho_1159</u>	<u>Lcho_1158</u>

<u>dge</u>	Dgeo_0239	<u>Dgeo 0238</u>	<u>Dgeo 0237</u>	<u>Dgeo 0236</u>
<u>cvi</u>	CV_1224	<u>CV 1225</u>	<u>CV 1226</u>	<u>CV 1227</u>
<u>plt</u>	Plut_1295	<u>Plut 1296</u>	<u>Plut 1297</u>	<u>Plut 1298</u>
<u>mfa</u>	Mfla_0601	<u>Mfla 0602</u>	<u>Mfla 0603</u>	<u>Mfla 0604</u>
<u>rcp</u>	RCAP_rcc01300	<u>RCAP_rcc01301</u>	<u>RCAP_rcc01302</u>	<u>RCAP_rcc01303</u>
<u>mrub</u>	<u>Mrub 1489</u>	<u>Mrub 1488</u>	<u>Mrub 1487</u>	<u>Mrub 1486</u>
<u>rru</u>	Rru_A0828	<u>Rru A0829</u>	<u>Rru A0830</u>	<u>Rru A0831</u>
<u>pdi</u>	BDI_1178	<u>BDI 1179</u>	<u>BDI 1180</u>	<u>BDI 1181</u>
<u>cte</u>	CT1135	<u>CT1134</u>	<u>CT1133</u>	<u>CT1132</u>
<u>cph</u>	Cpha266_1436	<u>Cpha266 1435</u>	<u>Cpha266 1434</u>	<u>Cpha266 1433</u>
<u>msu</u>	MS0991	<u>MS0988</u>	<u>MS0987</u>	<u>MS0986</u>
<u>cce</u>	Ccel_1476	<u>Ccel 1477</u>		<u>Ccel 1480</u>
<u>ele</u>	Elen_1979	<u>Elen 1978</u>	<u>Elen 1977</u>	<u>Elen 1976</u>
<u>pbr</u>	PB2503_07704	<u>PB2503 07699</u>	<u>PB2503 07694</u>	<u>PB2503 07689</u>
<u>aap</u>	NT05HA_0328	<u>NT05HA 0330</u>	<u>NT05HA 0331</u>	<u>NT05HA 0332</u>
<u>gdi</u>	GDI_0066	<u>GDI 0063</u>	<u>GDI 0062</u>	<u>GDI 0061</u>
<u>gdj</u>	Gdia_1626	<u>Gdia 1629</u>	<u>Gdia 1630</u>	<u>Gdia 1631</u>
<u>rsk</u>	RSKD131_1957	<u>RSKD131 1958</u>	<u>RSKD131 1959</u>	<u>RSKD131 1960</u>
<u>zmn</u>	Za10_1898	<u>Za10 1899</u>	<u>Za10 1900</u>	<u>Za10 1901</u>
<u>avn</u>	Avin_31630	<u>Avin 31620</u>	<u>Avin 31610</u>	<u>Avin 31600</u>
<u>pvi</u>	Cvib_1300	<u>Cvib 1301</u>	<u>Cvib 1302</u>	<u>Cvib 1303</u>
<u>xom</u>	XOO_0798	<u>XOO 0797</u>	<u>XOO 0796</u>	<u>XOO 0795</u>
<u>xoo</u>	XOO0872	<u>XOO0871</u>	<u>XOO0870</u>	<u>XOO0869</u>
<u>xal</u>	XALc_2885	<u>XALc 2887</u>	<u>XALc 2888</u>	<u>XALc 2889</u>
<u>nwi</u>	Nwi_1941	<u>Nwi 1940</u>	<u>Nwi 1939</u>	<u>Nwi 1938</u>
<u>msv</u>	<u>Mesil 3385</u>	<u>Mesil 3384</u>	<u>Mesil 3383</u>	<u>Mesil 3382</u>
<u>xac</u>	XAC3837	<u>XAC3838</u>	<u>XAC3839</u>	<u>XAC3840</u>
<u>xop</u>	PXO_02701	<u>PXO 02700</u>	<u>PXO 02699</u>	<u>PXO 02698</u>
<u>sna</u>	Snas_3582	<u>Snas 3581</u>	<u>Snas 3580</u>	<u>Snas 3579</u>
<u>aca</u>	ACP_0783	<u>ACP 0781</u>	<u>ACP 0780</u>	<u>ACP 0779</u>
<u>ere</u>	EUBREC_2497	<u>EUBREC 2494</u>	<u>EUBREC 2493</u>	<u>EUBREC 2492</u>
<u>afn</u>	Acfer_0756	<u>Acfer 0757</u>	<u>Acfer 0758</u>	<u>Acfer 0759</u>
<u>geo</u>	Geob_3416	<u>Geob 3415</u>	<u>Geob 3414</u>	<u>Geob 3413</u>

<u>rrs</u>	RoseRS_4335	<u>RoseRS_4334</u>	<u>RoseRS_4333</u>	<u>RoseRS_4332</u>
<u>rfr</u>	Rfer_3901	<u>Rfer_3902</u>	<u>Rfer_3903</u>	<u>Rfer_3904</u>
<u>cja</u>	CJA_2457	<u>CJA_2456</u>	<u>CJA_2455</u>	<u>CJA_2454</u>
<u>esi</u>	Exig_0147	<u>Exig_0148</u>	<u>Exig_0149</u>	<u>Exig_0150</u>
<u>eba</u>	ebA3291	<u>ebA3290</u>	<u>ebA3288</u>	<u>ebA3286</u>
<u>mgm</u>	Mmc1_3519	<u>Mmc1_3520</u>	Mmc1_1410	<u>Mmc1_3522</u>
<u>sat</u>	SYN_02478	<u>SYN_02477</u>	<u>SYN_02476</u>	<u>SYN_02475</u>
<u>cch</u>	Cag_1010	<u>Cag_1009</u>	<u>Cag_1008</u>	<u>Cag_1007</u>
<u>bcl</u>	ABC3597	<u>ABC3596</u>	<u>ABC3595</u>	<u>ABC3594</u>
<u>ttu</u>	TERTU_3119	<u>TERTU_3118</u>		<u>TERTU_3116</u>
<u>bha</u>	BH0336	<u>BH0337</u>	<u>BH0338</u>	<u>BH0339</u>
<u>asu</u>	Asuc_1284	<u>Asuc_1285</u>	<u>Asuc_1286</u>	<u>Asuc_1287</u>
<u>bde</u>	BDP_1643	<u>BDP_1642</u>		
<u>bad</u>	BAD_1186	<u>BAD_1185</u>	<u>BAD_1183</u>	<u>BAD_1182</u>
<u>smu</u>	SMU.1764c	<u>SMU.1763c</u>	<u>SMU.1761c</u>	<u>SMU.1760c</u>
<u>amt</u>	Amet_1662	<u>Amet_1663</u>	<u>Amet_1664</u>	<u>Amet_1665</u>
<u>rsd</u>	TGRD_215	<u>TGRD_216</u>		<u>TGRD_218</u>
<u>dae</u>	Dtox_3651	<u>Dtox_3650</u>	<u>Dtox_3649</u>	<u>Dtox_4290</u>
<u>mla</u>	Mlab_0850	<u>Mlab_0849</u>	<u>Mlab_0848</u>	<u>Mlab_0847</u>
<u>lhe</u>	lhv_1623	<u>lhv_1622</u>	<u>lhv_1621</u>	<u>lhv_1620</u>
<u>lfe</u>	LAF_1215	<u>LAF_1213</u>	<u>LAF_1212</u>	<u>LAF_1211</u>
<u>sez</u>	Sez_0548	<u>Sez_0549</u>	<u>Sez_0550</u>	<u>Sez_0551</u>
<u>spj</u>	MGAS2096_Spy13 10	<u>MGAS2096_Spy13</u> <u>09</u>	<u>MGAS2096_Spy13</u> <u>08</u>	<u>MGAS2096_Spy13</u> <u>07</u>
<u>spb</u>	M28_Spy1295	<u>M28_Spy1294</u>	<u>M28_Spy1293</u>	<u>M28_Spy1292</u>
<u>spk</u>	MGAS9429_Spy12 85	<u>MGAS9429_Spy12</u> <u>84</u>	<u>MGAS9429_Spy12</u> <u>83</u>	<u>MGAS9429_Spy12</u> <u>82</u>
<u>seq</u>	SZO_14430	<u>SZO_14420</u>	<u>SZO_14410</u>	<u>SZO_14400</u>
<u>spz</u>	M5005_Spy_1291	<u>M5005_Spy_1290</u>	<u>M5005_Spy_1289</u>	<u>M5005_Spy_1288</u>
<u>spy</u>	SPy_1567	<u>SPy_1566</u>	<u>SPy_1565</u>	<u>SPy_1564</u>
<u>lic</u>	LIC12910	<u>LIC12912</u>	<u>LIC12913</u>	<u>LIC12914</u>
<u>sph</u>	MGAS10270_Spy1 372	<u>MGAS10270_Spy1</u> <u>371</u>	<u>MGAS10270_Spy1</u> <u>370</u>	<u>MGAS10270_Spy1</u> <u>369</u>

<u>soz</u>	Spy49_1213c	<u>Spy49_1212c</u>	<u>Spy49_1211c</u>	<u>Spy49_1210c</u>
<u>lil</u>	LA_0690	<u>LA_0688</u>	<u>LA_0687</u>	<u>LA_0686</u>
<u>dhd</u>	Dhaf_2186	<u>Dhaf_2183</u>		<u>Dhaf_2185</u>
<u>mno</u>	Mnod_0794	<u>Mnod_0797</u>		<u>Mnod_0795</u>
<u>dsy</u>	DSY2766	<u>DSY2770</u>		<u>DSY2806</u>
<u>hut</u>	Huta_1451	<u>Huta_1452</u>		<u>Huta_1453</u>
<u>hma</u>	<u>pNG4051</u>	<u>pNG4050</u>		<u>pNG4049</u>
<u>spi</u>	<u>MGAS10750_Spy1_399</u>	<u>MGAS10750_Spy1_397</u>	<u>MGAS10750_Spy1_396</u>	<u>MGAS10750_Spy1_395</u>

#### Cluster 4

Organism	restriction endonuclease R.SthI	DNA modification methylase M.SthI
<u>sth</u>	<u>STH333</u>	STH334
<u>drm</u>	<u>Dred_0865</u>	Dred_0864
<u>pth</u>	<u>PTH_2668</u>	PTH_2667

#### Cluster 5

Organism	BigG family transcription antiterminator	PTS system cellobiose-specific IIB component	PTS system cellobiose-specific IIC component	PTS system cellobiose-specific IIA component	beta-glucosidase
<u>sth</u>	STH950	STH951	STH952	STH953	STH954
<u>cdf</u>	<u>CD3083</u>	CD3082	CD3081	CD3080	CD3079
<u>cdc</u>	CD196_2875	CD196_2874	CD196_2873	CD196_2872	CD196_2871
<u>cdl</u>	CDR20291_2922	CDR20291_2921	CDR20291_2920	CDR20291_2919	CDR20291_2918
<u>lxx</u>	Lxx00900	Lxx00850			
<u>cms</u>	CMS_0305	CMS_0306			CMS_0142
<u>cmi</u>	CMM_2595	CMM_2594			CMM_0883
<u>lin</u>	lin0919	lin0914	lin0900	lin0917	lin0918
<u>lmo</u>	lmo0918	lmo0914	lmo0915	lmo0916	lmo0917
<u>lmf</u>	LMOF2365_0940	LMOF2365_0936	LMOF2365_0937	LMOF2365_0938	LMOF2365_0939
<u>lmy</u>	LM5923_0953	LM5923_0949	LM5923_0950	LM5923_0951	LM5923_0952

<u>lmn</u>	LM5578_0999	LM5578_0995	LM5578_0996	LM5578_0997	LM5578_0998
<u>lmc</u>	Lm4b_00938	Lm4b_00934	Lm4b_00935	Lm4b_00936	Lm4b_00937
<u>lmh</u>	LMHCC_1703	LMHCC_1708	LMHCC_1707	LMHCC_1706	LMHCC_1704
<u>ppe</u>	<u>PEPE_0582</u>	PEPE_0578	PEPE_0579	PEPE_0580	PEPE_0581
<u>lcb</u>	LCABL_05180	LCABL_05170	LCABL_05160	LCABL_05150	LCABL_23660
<u>lcz</u>	LCAZH_0482	LCAZH_0481	LCAZH_0480	LCAZH_0479	LCAZH_2151
<u>bpu</u>	<u>BPUM_3541</u>	BPUM_3537	BPUM_3505	BPUM_3536	<u>BPUM_3565</u>
<u>bmq</u>	BMQ_0768	BMQ_0769	BMQ_1013	BMQ_1017	BMQ_3354
<u>bcz</u>	BCZK0686	BCZK0688	BCZK0689	BCZK0687	BCZK0860
<u>btl</u>	BALH_0718	BALH_0720	BALH_0721	BALH_0719	BALH_4410
<u>bca</u>	BCE_0881	BCE_0883	BCE_0884	BCE_0882	BCE_5000
<u>bcx</u>	BCA_0851	BCA_0853	BCA_0854	BCA_0852	BCA_4980
<u>bcb</u>	BCB4264_A0843	BCB4264_A0845	BCB4264_A0846	BCB4264_A0844	BCB4264_A4972
<u>bwe</u>	BcerKBAB4_0701	BcerKBAB4_0703	BcerKBAB4_0704	BcerKBAB4_0702	BcerKBAB4_3531
<u>bal</u>	BACI_c08200	BACI_c08220	BACI_c08230	BACI_c08210	BACI_c48500
<u>bcq</u>	BCQ_0877	BCQ_0879	BCQ_0880	BCQ_0878	BCQ_4661
<u>bar</u>	GBAA_0790	GBAA_0792	GBAA_0793	GBAA_0791	GBAA_5097
<u>bai</u>	BAA_0898	BAA_0900	BAA_0901	BAA_0899	BAA_5110
<u>bat</u>	BAS0751	BAS0753	BAS0754	BAS0752	BAS4737
<u>ban</u>	BA_0790	BA_0792	BA_0793	BA_0791	BA_5097
<u>btk</u>	BT9727_0699	BT9727_0701	BT9727_0702	BT9727_0700	BT9727_0878
<u>bce</u>	BC0806	BC0808	BC0809	BC5215	BC3760
<u>bpo</u>	BP951000_1630	BP951000_1631	BP951000_0281	BP951000_1637	BP951000_1427
<u>brm</u>	Bmur_0686	Bmur_0685	<u>Bmur_0768</u>	Bmur_0681	Bmur_0767
<u>sez</u>	Sez_1282	Sez_1281	Sez_1809	Sez_1811	Sez_1374
<u>seu</u>	SEQ_1461	SEQ_1460	SEQ_2107	SEQ_2109	SEQ_1553
<u>spm</u>	spyM18_1335	spyM18_1334	spyM18_2111	spyM18_1986	spyM18_0642
<u>soz</u>	Spy49_1047c	Spy49_1046c	Spy49_1698c	Spy49_1586c	Spy49_0487
<u>smf</u>	Smon_0196	Smon_0198	Smon_0199	Smon_0197	Smon_1352
<u>spz</u>	M5005_Spy_1083	M5005_Spy_1082	M5005_Spy_1744	M5005_Spy_1634	M5005_Spy_0476
<u>spy</u>	SPy_1325	SPy_1324	SPy_2050	SPy_1918	SPy_0574

<u>spi</u>	MGAS10750_Spy1 176	MGAS10750_Spy1 175	MGAS10750_Spy1 838	MGAS10750_Spy1 731	MGAS10750_Spy0 498
<u>spb</u>	M28_Spy1064	M28_Spy1063	M28_Spy1731	M28_Spy1624	M28_Spy0457
<u>spj</u>	MGAS2096_Spy10 84	MGAS2096_Spy10 83	MGAS2096_Spy17 78	MGAS2096_Spy16 59	MGAS2096_Spy04 89
<u>seq</u>	SZO_06860	SZO_06870	SZO_18180	SZO_18200	SZO_05970
<u>spk</u>	MGAS9429_Spy11 26	MGAS9429_Spy11 25	MGAS9429_Spy17 54	MGAS9429_Spy16 37	MGAS9429_Spy04 68
<u>spa</u>	M6_Spy1052	M6_Spy1051	M6_Spy1744	M6_Spy1643	M6_Spy0500
<u>spf</u>	SpyM50782	SpyM50783	SpyM51707	SpyM51609	SpyM51384
<u>sph</u>	MGAS10270_Spy1 139	MGAS10270_Spy1 138	MGAS10270_Spy1 813	MGAS10270_Spy1 703	MGAS10270_Spy0 470
<u>bhy</u>	BHWA1_02517	BHWA1_02516	BHWA1_02515	BHWA1_02513	BHWA1_01075
<u>apr</u>	Apr_1587	Apr_1585	Apr_1583	Apr_1586	Apr_1584
<u>sps</u>	SPs0854	SPs0855	SPs1748	SPs1653	SPs1450
<u>spg</u>	SpyM3_1005	SpyM3_1003	SpyM3_1750	SpyM3_1655	SpyM3_0405
<u>dka</u>	<u>DKAM_1130</u>				DKAM_0253
<u>amr</u>	<u>AM1_2343</u>				AM1_2790

Cluster 6

Organism	transposase	IstB helper protein N-terminal domain- containing protein	IstB helper protein C-terminal domain- containing protein
<u>sth</u>	<u>STH1130</u>	<u>STH1131</u>	<u>STH1132</u>
<u>bts</u>	<u>Btus_2755</u>	<u>Btus_2754</u>	
<u>yps</u>	<u>pYV0022</u>	<u>pYV0021</u>	
<u>ypb</u>	<u>YPTS_4248</u>	<u>YPTS_4247</u>	
<u>ypp</u>	<u>YPDSF_4016</u>	<u>YPDSF_4017</u>	
<u>ypa</u>	<u>YPA_CD0054</u>	<u>YPA_CD0055</u>	
<u>ypz</u>	<u>YPZ3_pCD0067</u>	<u>YPZ3_pCD0066</u>	
<u>rop</u>	<u>ROP_pROB02- 00790</u>	<u>ROP_pROB02- 00780</u>	<u>ROP_pROB02- 00740</u>

Cluster 7

Organism	transposase-like protein	hypothetical protein
<u>sth</u>	<u>STH1292</u>	STH1293
<u>btl</u>	<u>BALH_0844</u>	BALH_0840

Cluster 8

Organism	putative glycosyl transferase	putative polysaccharide polymerase
<u>sth</u>	<u>STH2707</u>	<u>STH2708</u>
<u>hch</u>	<u>HCH_04684</u>	<u>HCH_04685</u>
<u>sfr</u>	<u>Sfri_1376</u>	<u>Sfri_1378</u>

Cluster 9

Organism	UDP-glucose 4-epimerase	putative glycosyl transferase	UTP-glucose-1-phosphate uridylyltransferase
<u>sth</u>	STH2711	<u>STH2712</u>	STH2713
<u>mta</u>	Moth_0673	<u>Moth_0668</u>	Moth_1369
<u>csa</u>	Csal_1722	<u>Csal_1719</u>	Csal_1859
<u>rpa</u>	RPA4582	<u>RPA4586</u>	RPA0887
<u>rpt</u>	Rpal_5062	<u>Rpal_5066</u>	Rpal_0955
<u>ctc</u>	CTC00866	CTC02266	CTC02269
<u>mms</u>	mma_0644	<u>mma_0641</u>	mma_2064
<u>prw</u>	PsycPRwf_0227	<u>PsycPRwf_0230</u>	PsycPRwf_0271
<u>clj</u>	CLJU_c21710	<u>CLJU_c34170</u>	CLJU_c34190
<u>eic</u>	NT01EI_1311	<u>NT01EI_1308</u>	NT01EI_1662
<u>ilo</u>	IL0559	<u>IL0558</u>	IL1094
<u>abb</u>	ABBFA_001457	<u>ABBFA_003453</u>	ABBFA_003449
<u>aby</u>	ABAYE1562	ABAYE3809	ABAYE3803
<u>kse</u>	<u>Ksed_18870</u>	<u>Ksed_18890</u>	Ksed_23880



<u>mla</u>		<u>Mlab_0901</u>	Mlab_0899
<u>cjd</u>	JJD26997_0590	<u>JJD26997_0596</u>	JJD26997_1888
<u>cjj</u>	CJJ81176_1148	<u>CJJ81176_1142</u>	CJJ81176_1521
<u>sdn</u>	Sden_2644	<u>Sden_2649</u>	Sden_2596
<u>cjr</u>	CJE1273	<u>CJE1267</u>	CJE1707
<u>pam</u>	PANA_2493	<u>PANA_2499</u>	PANA_2094
<u>cje</u>	Cj1131c	<u>Cj1125c</u>	Cj1536c
<u>ecq</u>	ECED1_2386	<u>ECED1_2390</u>	ECED1_1387
<u>vok</u>		<u>COSY_0815</u>	COSY_0811
<u>rma</u>		<u>Rmag_0890</u>	Rmag_0885

Cluster 10

Organism	UDP-glucose 4-epimerase	lipopolysaccharide synthesis sugar transferase
<u>sth</u>	STH2715	<u>STH2716</u>
<u>ttm</u>	Tthe_0924	<u>Tthe_0923</u>
<u>chy</u>	CHY_1057	<u>CHY_1059</u>
<u>cac</u>	CA_C2334	<u>CA_C2330</u>
<u>sti</u>	Sthe_3214	<u>Sthe_3213</u>
<u>tin</u>	<u>Tint_1301</u>	<u>Tint_1299</u>
<u>lpl</u>	lp_1200	<u>lp_1201</u>
<u>bha</u>	BH3649	<u>BH3650</u>
<u>str</u>	Sterm_2389	<u>Sterm_2390</u>
<u>bpu</u>	BPUM_3207	<u>BPUM_3211</u>
<u>bli</u>	BL03353	<u>BL03349</u>
<u>bld</u>	BLi03803	<u>BLi03807</u>
<u>sao</u>	SAOUHSC_00088	<u>SAOUHSC_00089</u>
<u>sax</u>	USA300HOU_014	<u>USA300HOU_014</u>
	0	<u>1</u>
<u>sam</u>	MW0102	<u>MW0103</u>
<u>saa</u>	SAUSA300_0130	<u>SAUSA300_0131</u>

<u>sas</u>	SAS0102	<u>SAS0103</u>
<u>sac</u>	SACOL0113	<u>SACOL0114</u>
<u>sae</u>	NWMN_0072	<u>NWMN_0073</u>
<u>sar</u>	SAR0130	<u>SAR0131</u>
<u>sau</u>	SA0123	<u>SA0124</u>
<u>sah</u>	SaurJH1_0119	<u>SaurJH1_0120</u>
<u>sad</u>	SAAV_0096	<u>SAAV_0097</u>
<u>saj</u>	SaurJH9_0114	<u>SaurJH9_0115</u>
<u>saw</u>	SAHV_0127	<u>SAHV_0128</u>
<u>sav</u>	SAV0128	<u>SAV0129</u>
<u>sab</u>	SAB0067	<u>SAB0068</u>
<u>sfu</u>	<u>Sfum_2190</u>	<u>Sfum_2189</u>
<u>srn</u>	SRM_00790	<u>SRM_00788</u>
<u>ace</u>	<u>Acel_1936</u>	<u>Acel_1939</u>
<u>bts</u>	Btus_0879	<u>Btus_0882</u>
<u>hut</u>	Huta_0997	<u>Huta_0995</u>
<u>apj</u>	APJL_1497	<u>APJL_1493</u>
<u>ami</u>	<u>Amir_1733</u>	<u>Amir_1730</u>
<u>hip</u>	CGSHiEE_07665	CGSHiEE_07670
<u>hiq</u>	CGSHiGG_07900	CGSHiGG_07895
<u>aap</u>	NT05HA_0642	NT05HA_0639
<u>hin</u>	HI0873	HI0872

Cluster 11

Organism	fliS	fliD	flaG	flgL	flgK
<u>sth</u>	STH2976	STH2977	STH2978	STH2979	STH2980
<u>tte</u>	TTE0506	TTE0505	TTE0504	TTE0495	TTE0494
<u>mta</u>	Moth_0766	Moth_0765	Moth_0764	Moth_0747	Moth_0746
<u>aar</u>	Acear_0257	Acear_0253	Acear_0260	Acear_0248	Acear_0247
<u>hor</u>	Hore_17030	Hore_17060	Hore_17070	Hore_17130	Hore_17140
<u>chy</u>	CHY_0986	CHY_0985	CHY_0984	CHY_0972	CHY_0971
<u>dps</u>	DP1658	DP1659	DP1660	DP2690	DP2689
<u>sti</u>	Sthe_0555	Sthe_0556	Sthe_0557	Sthe_0561	Sthe_0562

<u>ttm</u>	Tthe_2179	Tthe_2180	Tthe_2181	Tthe_2194	Tthe_2195
<u>adg</u>	Adeg_0255	Adeg_0254	Adeg_0253	Adeg_0249	Adeg_0248
<u>cpy</u>	Cphy_0313	Cphy_0312	Cphy_0311	Cphy_0307	Cphy_0305
<u>tpd</u>	Teth39_1770	Teth39_1771	Teth39_1772	Teth39_1783	Teth39_1784
<u>mgm</u>	Mmc1_0086	Mmc1_0084		Mmc1_0080	Mmc1_0079
<u>pam</u>	PANA_2283	PANA_2282		PANA_1474	PANA_1473
<u>hmo</u>	HM1_1213	HM1_1211	HM1_1215	HM1_1206	HM1_1205
<u>eat</u>	EAT1b_0913	EAT1b_0914		EAT1b_0931	EAT1b_0932
<u>tex</u>	Teth514_0465	Teth514_0464	Teth514_0463	Teth514_0452	Teth514_0451
<u>tmt</u>	Tmath_0573	Tmath_0572	Tmath_0571	Tmath_0562	Tmath_0561
<u>tit</u>	Thit_0492	Thit_0491	Thit_0490	Thit_0471	Thit_0470
<u>pca</u>	Pcar_1111	Pcar_1112	Pcar_1113	Pcar_1148	Pcar_1149
<u>dbr</u>	Deba_2351	Deba_2352		Deba_2337	Deba_2336
<u>cob</u>	COB47_0932	COB47_0931	COB47_0930	COB47_0910	COB47_0909
<u>ate</u>	Athe_1652	Athe_1653	Athe_1654	Athe_1674	Athe_1675
<u>lsp</u>	Bsph_1174	Bsph_1172	Bsph_1171	Bsph_1152	Bsph_1151
<u>efe</u>	EFER_1168	EFER_1169		EFER_1845	EFER_1846
<u>bpa</u>	BPP1516	BPP1517	BPP1518	BPP1495	BPP1494
<u>bbr</u>	BB2594	BB2595		BB2569	BB2568
<u>afl</u>	Aflv_2569	Aflv_2570	Aflv_2571	Aflv_2583	Aflv_2584
<u>cth</u>	Cthe_2217	Cthe_2218	Cthe_2219	Cthe_2242	Cthe_2244
<u>bts</u>	Btus_2823	Btus_2824	Btus_2825	Btus_2988	Btus_2989
<u>csc</u>	Csac_1700	Csac_1699	Csac_1698	Csac_1665	Csac_1664
<u>amt</u>	Amet_0786	Amet_0785	Amet_0784	Amet_0728	Amet_0727
<u>bpe</u>	BP1409	BP1410		BP1383	BP1382
<u>dau</u>	Daud_1784	Daud_1783	Daud_1782		Daud_1788
<u>pjd</u>	Pjdr2_5750	Pjdr2_5751	Pjdr2_5752	Pjdr2_5763	Pjdr2_5764
<u>dap</u>	Dacet_1452	Dacet_1453	Dacet_0452		Dacet_2472
<u>ypb</u>	YPTS_1840	YPTS_1841		YPTS_1809	YPTS_1808
<u>ypi</u>	YpsIP31758_2284	YpsIP31758_2283		YpsIP31758_2313	YpsIP31758_2314
<u>nth</u>	Nther_2228	Nther_2225	Nther_2230	Nther_2235	Nther_2236
<u>bpu</u>	BPUM_3183	BPUM_3184	BPUM_3185	BPUM_3189	BPUM_3190

<u>ypy</u>	YPK_2383	YPK_2382		YPK_2415	YPK_2416
<u>yps</u>	YPTB1712	YPTB1713		YPTB1682	YPTB1681
<u>toc</u>	Toce_1578	Toce_1579	Toce_1580	Toce_1596	Toce_1597
<u>dal</u>	Dalk_0645	<u>Dalk_0644</u>	Dalk_0647	Dalk_0986	Dalk_0987
<u>esi</u>	Exig_2439	Exig_2440		Exig_2460	Exig_2461
<u>ypp</u>	YPDSF_1286	YPDSF_1285		YPDSF_1315	YPDSF_1316
<u>cro</u>	ROD_20091	ROD_20081		ROD_11431	ROD_11421
<u>cce</u>	Ccel_0106	Ccel_0105	Ccel_0104	Ccel_0096	Ccel_0094
<u>ype</u>	YPO1840	YPO1841		YPO1809	YPO1808
<u>ypm</u>	YP_1553	YP_1552		YP_1584	YP_1585
<u>net</u>	Neut_0949	Neut_0950	Neut_1822	Neut_0345	Neut_0344
<u>yph</u>	y2467	y2466		y2499	y2501
<u>yph</u>	YpAngola_A2021	YpAngola_A2022		YpAngola_A2009	YpAngola_A2007
<u>ypa</u>	YPA_1216	YPA_1217		YPA_1184	YPA_1183
<u>ypn</u>	YPN_2283	YPN_2282		YPN_2315	YPN_2316
<u>she</u>	Shewmr4_1277	Shewmr4_1275	Shewmr4_1274	Shewmr4_1269	Shewmr4_1268
<u>aoe</u>	Clos_2489	Clos_2490	Clos_2491	Clos_2520	Clos_2521
<u>gur</u>	Gura_4093	Gura_4094		Gura_4098	Gura_4099
<u>gpb</u>	HDN1F_31590	HDN1F_31580	HDN1F_31570	HDN1F_12540	HDN1F_12530
<u>tro</u>	trd_A0221	trd_A0220		trd_A0049	trd_A0048
<u>cdf</u>	CD0235	CD0237		CD0232	CD0231
<u>pay</u>	PAU_02611	PAU_02610		PAU_02641	PAU_02642
<u>bsu</u>	BSU35330	BSU35340	BSU35350	BSU35400	BSU35410
<u>bpt</u>	Bpet2153	Bpet2154			Bpet2130
<u>bav</u>	BAV1722	BAV1723		BAV1698	BAV1697
<u>sfr</u>	Sfri_1177	Sfri_1175	Sfri_1174	Sfri_1171	Sfri_1170
<u>alv</u>	Alvin_1954	Alvin_1953	Alvin_1952		Alvin_0674
<u>bss</u>	BSUW23_17320	BSUW23_17325	BSUW23_17330	BSUW23_17355	BSUW23_17360
<u>ypz</u>	YPZ3_1887	YPZ3_1886		YPZ3_1913	YPZ3_1914
<u>see</u>	SNSL254_A2123	SNSL254_A2122		SNSL254_A1281	SNSL254_A1280
<u>sek</u>	SSPA0848	SSPA0849		SSPA1549	SSPA1550
<u>seg</u>	SG1094	SG1095		SG1938	
<u>stm</u>	STM1961	STM1960		STM1184	STM1183

<u>cno</u>	NT01CX_1878	NT01CX_1879	NT01CX_1876	NT01CX_1873	NT01CX_1872
<u>seh</u>	SeHA_C2176	SeHA_C2175		SeHA_C1296	SeHA_C1295
<u>sed</u>	SeD_A1282	SeD_A1284		SeD_A2188	SeD_A2189
<u>spt</u>	SPA0909	SPA0910		SPA1667	SPA1668
<u>spq</u>	SPAB_01189	SPAB_01190		SPAB_02342	SPAB_02343
<u>bcl</u>	ABC3073	ABC3074	ABC3075	ABC3078	ABC3079
<u>sew</u>	SeSA_A2118	SeSA_A2117		SeSA_A1252	SeSA_A1251
<u>sec</u>	SC1965	SC1964		SC1131	SC1130
<u>dae</u>	Dtox_0667	Dtox_0666	Dtox_0668	Dtox_0671	Dtox_0672
<u>set</u>	SEN1047	SEN1048		SEN1864	SEN1865
<u>sea</u>	SeAg_B1159	SeAg_B1161		SeAg_B2004	SeAg_B2005
<u>dar</u>	Daro_0781	Daro_0782	Daro_0783	Daro_0759	Daro_0758
<u>yen</u>	YE2525	YE2524		YE2550	YE2551
<u>pth</u>	PTH_2095	PTH_2096	PTH_2093	PTH_2111	PTH_2112
<u>bha</u>	BH3613	BH3614	BH3615		BH3621
<u>cdc</u>	CD196_0249	CD196_0251		CD196_0246	CD196_0245
<u>xal</u>	XALc_1415	XALc_1416		XALc_1418	XALc_1419
<u>sty</u>	STY2169	STY2168		STY1223	STY1222
<u>stt</u>	t0916	t0917		t1736	t1737
<u>dsy</u>	DSY3000	DSY3001	DSY3023		DSY3028
<u>cdl</u>	CDR20291_0236	CDR20291_0238		CDR20291_0233	CDR20291_0232
<u>har</u>	HEAR1869	HEAR1868	HEAR1867	HEAR1890	HEAR1891
<u>dac</u>	Daci_0620	Daci_0619			Daci_0624
<u>sat</u>	SYN_02806	<u>SYN_02805</u>	SYN_02808	SYN_02811	SYN_02812
<u>etr</u>	ETAE_2133	ETAE_2132		ETAE_1235	ETAE_1234
<u>ses</u>	SARI_00976	SARI_00977		SARI_01813	SARI_01814
<u>bay</u>	RBAM_032490	RBAM_032500		RBAM_032550	RBAM_032560
<u>plu</u>	plu1952	plu1953		plu1925	plu1924
<u>gwc</u>	GWCH70_3014	GWCH70_3015	GWCH70_3016	GWCH70_3030	GWCH70_3031
<u>dhd</u>	Dhaf_4165	Dhaf_4166	Dhaf_4190		Dhaf_4195
<u>ere</u>	EUBREC_3255	EUBREC_3256	EUBREC_3257	EUBREC_0109	EUBREC_0107
<u>tgr</u>	Tgr7_1978	Tgr7_1979	Tgr7_1980	Tgr7_1227	Tgr7_1226
<u>slo</u>	Shew_1361	Shew_1359	Shew_1358	Shew_1355	Shew_1354

<u>noc</u>	Noc_2364	Noc_2365	Noc_2366	Noc_2368	Noc_2369
<u>pwa</u>	Pecwa_1894	Pecwa_1895		Pecwa_1878	Pecwa_1877
<u>eic</u>	NT01EI_2415	NT01EI_2414		NT01EI_1356	NT01EI_1355
<u>gme</u>	Gmet_0445	Gmet_0444	Gmet_0463	Gmet_0439	Gmet_0438
<u>neu</u>	NE1596	NE1595	NE1594	NE0312	NE0311
<u>app</u>	CAP2UW1_1359	CAP2UW1_1360	CAP2UW1_1361	CAP2UW1_3814	CAP2UW1_3815
<u>bse</u>	<u>Bsel_1064</u>	Bsel_1060	Bsel_1063		Bsel_1027
<u>sei</u>	SPC_1753	SPC_1754		SPC_2565	SPC_2566
<u>drm</u>	Dred_2415	Dred_2418	Dred_2413	Dred_2435	Dred_2436
<u>cbt</u>	CLH_0780	CLH_0781	CLH_0778		CLH_0774
<u>tkm</u>	TK90_1446	TK90_1447	TK90_1449	TK90_0936	TK90_0935
<u>pmy</u>	Pmen_2832	Pmen_2833	Pmen_2834	Pmen_2840	Pmen_0215
<u>ctc</u>	CTC01719	CTC01718	CTC01720	CTC01722	CTC01724
<u>lpc</u>	LPC_0753	LPC_0754		LPC_0695	LPC_0694
<u>aeH</u>	Mlg_0704	Mlg_0703	Mlg_0702	Mlg_0903	Mlg_0902
<u>lpn</u>	lpg1337	lpg1338		lpg1226	lpg1225
<u>lpf</u>	lpl1290	lpl1291		lpl1234	lpl1233
<u>lpa</u>	lpa_01975	lpa_01977		lpa_01898	lpa_01897
<u>vco</u>	VC0395_A1722	VC0395_A1724	VC0395_A1725	VC0395_A1782	VC0395_A1783
<u>pau</u>	PA14_50250	PA14_50270		PA14_50340	PA14_50360
<u>pag</u>	PLES_42261	PLES_42271		PLES_42341	PLES_42351
<u>eel</u>	EUBELI_00239	EUBELI_00238	EUBELI_00237	EUBELI_00234	EUBELI_00232
<u>vcj</u>	VCD_002233	VCD_002231	VCD_002230	VCD_002148	VCD_002147
<u>vch</u>	VC2138	VC2140	VC2141	VC2190	VC2191
<u>ote</u>	Oter_0441	Oter_0444		Oter_0390	Oter_0391
<u>vcm</u>	VCM66_2061	VCM66_2063	VCM66_2064	VCM66_2113	VCM66_2114
<u>enc</u>	ECL_01355	ECL_01356		ECL_02555	ECL_02556
<u>paE</u>	PA1095	PA1094		PA1087	PA1086
<u>reh</u>	H16_B2363	H16_B2362			H16_B0270
<u>mei</u>	Msip34_0751	Msip34_0750	Msip34_0749	Msip34_0769	Msip34_0770
<u>ccv</u>	CCV52592_0777	CCV52592_0778	CCV52592_0779	CCV52592_1295	CCV52592_0786
<u>eca</u>	ECA1729	ECA1730		ECA1712	ECA1711
<u>pct</u>	PC1_2572	PC1_2571		PC1_2588	PC1_2589

<u>bbe</u>	BBR47_53180	BBR47_53190	BBR47_53200	BBR47_53390	BBR47_53400
<u>ddd</u>	Dda3937_02229	Dda3937_02230		Dda3937_02213	Dda3937_02212
<u>cko</u>	CKO_01013	CKO_01014		CKO_01976	CKO_01977
<u>cco</u>	CCC13826_1036	CCC13826_1035			CCC13826_0708
<u>sbl</u>	Sbal_2931	Sbal_2933	Sbal_2934	Sbal_3961	Sbal_3962
<u>mms</u>	mma_1447	mma_1448	mma_1449	mma_1428	mma_1427
<u>sbp</u>	Sbal223_1432	Sbal223_1430	Sbal223_1429		Sbal223_1425
<u>shl</u>	Shal_1443	Shal_1441	Shal_1440	Shal_1437	Shal_4256
<u>slt</u>	Slit_0617	Slit_0618	Slit_0619	Slit_0575	Slit_0574
<u>xop</u>	PXO_00999	PXO_01000		PXO_01002	PXO_01003
<u>sde</u>	Sde_2197	Sde_2198	Sde_2199	Sde_2203	Sde_2204
<u>swd</u>	Swoo_1613	Swoo_1611	Swoo_1610	Swoo_1607	Swoo_1606
<u>nam</u>	NAMH_0488	NAMH_0487	NAMH_0486	NAMH_1358	NAMH_1470
<u>xom</u>	XOO_2441	XOO_2440		XOO_2438	XOO_2437
<u>xoo</u>	XOO2583	XOO2582		XOO2580	XOO2579
<u>cbk</u>	CLL_A0814	CLL_A0815	CLL_A0812		CLL_A0808
<u>ajs</u>	Ajs_3810	Ajs_3811			Ajs_3837
<u>dba</u>	Dbac_2387	Dbac_2386	Dbac_2431	Dbac_2402	Dbac_2403
<u>xac</u>	XAC1973	XAC1974		XAC1976	XAC1977
<u>nwa</u>	Nwat_2210	Nwat_2211	Nwat_2212	Nwat_2214	Nwat_2215
<u>tbd</u>	Tbd_1593	Tbd_1592	Tbd_1591	Tbd_1627	Tbd_1628
<u>cti</u>	RALTA_B2131	RALTA_B2130		RALTA_B0287	RALTA_B0286
<u>xne</u>	XNC1_1678	XNC1_1677		XNC1_1717	XNC1_1718
<u>csa</u>	Csal_2032	Csal_2033	Csal_1993	Csal_1968	Csal_1969
<u>lpp</u>	lpp1291	lpp1292		lpp1234	lpp1233
<u>ccb</u>	Clocel_1707	Clocel_1708	Clocel_1705	Clocel_1702	Clocel_1701
<u>ent</u>	Ent638_2524	Ent638_2523		Ent638_1597	Ent638_1596
<u>xcb</u>	XC_2247	XC_2246		XC_2244	XC_2243
<u>xca</u>	xccb100_2236	xccb100_2238		xccb100_2240	xccb100_2241
<u>xcv</u>	XCV2020	XCV2021		XCV2023	XCV2024
<u>sse</u>	Ssed_3071	Ssed_3073	Ssed_3074	Ssed_0059	Ssed_0060
<u>ctt</u>	CtCNB1_0449	CtCNB1_0450			CtCNB1_0440
<u>xcc</u>	XCC1939	XCC1940		XCC1942	XCC1943

<u>gca</u>	Galf_1076	Galf_1077	Galf_1078	Galf_1053	Galf_1052
<u>cjr</u>	CJE0653	CJE0652		CJE0966	CJE1640
<u>xbo</u>	XBJ1_1993	XBJ1_1994		XBJ1_1962	XBJ1_1961
<u>cje</u>	Cj0549	Cj0548		Cj0887c	Cj1466
<u>abu</u>	Abu_0211	Abu_0210		Abu_1939	Abu_0209
<u>esa</u>	ESA_01286	ESA_01287		ESA_02264	ESA_02265
<u>sdl</u>	Sdel_1148	Sdel_1147		Sdel_0968	Sdel_1139
<u>sbn</u>	Sbal195_3073	Sbal195_3075	Sbal195_3076		Sbal195_3091
<u>sbm</u>	Shew185_2941	Shew185_2943	Shew185_2944		Shew185_2953
<u>sml</u>	Smlt2302	Smlt2303		Smlt2307	Smlt2308
<u>spc</u>	Sputcn32_2581	Sputcn32_2583	Sputcn32_2584	Sputcn32_3458	Sputcn32_3459
<u>spe</u>	Spro_2942	Spro_2941		Spro_2960	Spro_2961
<u>smt</u>	Smal_1891	Smal_1892		Smal_1896	Smal_1897
<u>cwo</u>	Cwoe_0033	Cwoe_0032		Cwoe_0021	Cwoe_0022
<u>shw</u>	Sputw3181_1422	Sputw3181_1420	Sputw3181_1419	Sputw3181_0481	Sputw3181_0480
<u>lch</u>	Lcho_1012	Lcho_1011		Lcho_2724	Lcho_2725
<u>rfr</u>	Rfer_0633	Rfer_0632			Rfer_3723
<u>hpg</u>	HPG27_710	HPG27_709	HPG27_708	HPG27_274	HPG27_1064
<u>nhl</u>	Nhal_2339	Nhal_2338	Nhal_2337	Nhal_2334	Nhal_2333
<u>ddc</u>	Dd586_1542	Dd586_1543		Dd586_1525	Dd586_1524
<u>ctu</u>	Ctu_26410	Ctu_26400		Ctu_16600	Ctu_16590
<u>lip</u>	LI0210	LI0211			LI0747
<u>hpy</u>	HP0753	HP0752	HP0751	HP0295	HP1119
<u>hpl</u>	HPB8_960	HPB8_959	HPB8_958	HPB8_1267	HPB8_382
<u>hpb</u>	HELPHY_0612	HELPHY_0613	HELPHY_0614	HELPHY_0301	HELPHY_1091
<u>dze</u>	Dd1591_1579	Dd1591_1580		Dd1591_1563	Dd1591_1562
<u>dma</u>	DMR_03970	DMR_03980		DMR_31490	DMR_31500
<u>hpa</u>	HPAG1_0738	HPAG1_0737	HPAG1_0736	HPAG1_0297	HPAG1_1057
<u>cla</u>	Cla_0763	Cla_0764	Cla_0765	Cla_0822	Cla_0396
<u>hac</u>	Hac_0665	Hac_0666	Hac_0667	Hac_0555	Hac_0597
<u>gob</u>	Gobs_0983	Gobs_0984		Gobs_0990	Gobs_0989
<u>cjj</u>	CJJ81176_0574	CJJ81176_0573		CJJ81176_0894	CJJ81176_1459
<u>hps</u>	HPSH_03065	HPSH_03070	HPSH_03075	HPSH_01530	HPSH_05760



<u>tdn</u>	Suden_0203	Suden_0202	Suden_1372	Suden_1037	Suden_0566
<u>avn</u>	Avin_24260	Avin_24250	Avin_27850	Avin_24100	Avin_24090
<u>ilo</u>	IL1133	IL1134	IL1135	IL1137	IL1138
<u>hms</u>	HMU03830	HMU03840	HMU03850	HMU06870	HMU04500
<u>rme</u>	Rmet_5255	Rmet_5254	Rmet_5253	Rmet_3744	Rmet_3743
<u>bli</u>	BL03377	BL03376	BL03375	BL03370	BL03369
<u>shn</u>	Shewana3_1337	Shewana3_1335	Shewana3_1334		Shewana3_1330
<u>bld</u>	BLi03777	BLi03778	BLi03779	BLi03784	BLi03785
<u>hna</u>	Hneap_0625	Hneap_0624	Hneap_0623	Hneap_1766	Hneap_1767
<u>ckr</u>	CKR_1853	CKR_1852	CKR_1855	CKR_1858	CKR_1860
<u>vfm</u>	VFMJ11_1989	VFMJ11_1991	VFMJ11_1992	VFMJ11_1999	VFMJ11_2000
<u>vfi</u>	VF_1858	VF_1860	VF_1861	VF_1867	VF_1868
<u>vsal</u>	VSAL_I2313	VSAL_I2315		VSAL_I2328	VSAL_I2329
<u>ckl</u>	CKL_2114	CKL_2113	CKL_2116	CKL_2119	CKL_2121
<u>cjd</u>	JJD26997_1381	JJD26997_1382		JJD26997_1031	JJD26997_1814
<u>ant</u>	Arnit_2871	Arnit_2872		Arnit_2475	Arnit_2873
<u>acp</u>	A2cp1_2616	A2cp1_2612		A2cp1_2610	A2cp1_2609
<u>clj</u>	CLJU_c09570	CLJU_c09610	CLJU_c09550	CLJU_c09520	CLJU_c09510
<u>hpp</u>	HPP12_0763	HPP12_0762	HPP12_0761	HPP12_0294	HPP12_1084
<u>ank</u>	AnaeK_2520	AnaeK_2516		AnaeK_2514	AnaeK_2513
<u>hpi</u>	jhp0690	jhp0689	jhp0688	jhp0280	jhp1047
<u>aav</u>	Aave_4398	Aave_4399			Aave_4430
<u>cju</u>	C8J_0510	C8J_0509		C8J_0824	C8J_1372
<u>ade</u>	Adeh_1338	Adeh_1341		Adeh_1343	Adeh_1344
<u>ebd</u>	ECBD_1717	ECBD_1718		ECBD_2517	ECBD_2518
<u>ebw</u>	BWG_1734	BWG_1733		BWG_0931	BWG_0930
<u>vvu</u>	VV1_1930	VV1_1928	VV1_1927	VV1_0216	VV1_0217
<u>ecd</u>	ECDH10B_2066	ECDH10B_2065		ECDH10B_1154	ECDH10B_1153
<u>ecj</u>	JW1910	JW1909		JW1070	JW1069
<u>vvv</u>	VV2487	VV2489	VV2490	VV0970	VV0969
<u>cbi</u>	CLK_2119	CLK_2118	CLK_2121	CLK_2124	CLK_2125
<u>oih</u>	OB2500	OB2501	OB2502	OB2506	OB2507
<u>eco</u>	b1925	b1924		b1083	b1082

<u>cbf</u>	CLI_2784	CLI_2783	CLI_2786	CLI_2789	CLI_2790
<u>ebi</u>	EbC_26400	EbC_26390		EbC_16460	EbC_16450
<u>cbi</u>	CLJ_B2961	CLJ_B2960	CLJ_B2963	CLJ_B2966	CLJ_B2967
<u>cba</u>	CLB_2675	CLB_2674	CLB_2677	CLB_2680	CLB_2681
<u>cbh</u>	CLC_2608	CLC_2607	CLC_2610	CLC_2613	CLC_2614
<u>cbo</u>	CBO2734	CBO2733	CBO2736	CBO2739	CBO2740
<u>cby</u>	CLM_3100	CLM_3099	CLM_3102	CLM_3105	CLM_3106
<u>cac</u>	CA_C2206	CA_C2205	CA_C2208	CA_C2211	CA_C2212
<u>saz</u>	Sama_2302	Sama_2304	Sama_2305	Sama_2308	Sama_2309
<u>sbo</u>	SBO_1081	SBO_1082		SBO_1981	SBO_1982
<u>ecw</u>	EcE24377A_2160	EcE24377A_2159		EcE24377A_1206	EcE24377A_1205
<u>ecl</u>	EcolC_1714	EcolC_1715		EcolC_2517	EcolC_2518
<u>ecp</u>	ECP_1859	ECP_1858		ECP_1075	ECP_1074
<u>ecv</u>	APECO1_966	APECO1_965		APECO1_165	APECO1_164
<u>sfx</u>	S2064	S2063			
<u>pmr</u>	PMI1622	PMI1621		PMI1644	PMI1645
<u>eum</u>	ECUMN_2217	ECUMN_2216		ECUMN_1257	ECUMN_1256
<u>sfl</u>	SF1968	SF1967			
<u>ecq</u>	ECED1_2190	ECED1_2189		ECED1_1227	ECED1_1226
<u>ecz</u>	ECS88_1979	ECS88_1978		ECS88_1097	ECS88_1096
<u>ecy</u>	ECSE_2156	ECSE_2155		ECSE_1146	ECSE_1145
<u>ecx</u>	EcHS_A2025	EcHS_A2024		EcHS_A1206	EcHS_A1205
<u>sfv</u>	SFV_1969	SFV_1968		SFV_1105	
<u>ecr</u>	ECIAI1_2011	ECIAI1_2010		ECIAI1_1119	ECIAI1_1118
<u>ej</u>	ECO26_2817	ECO26_2816		ECO26_0277	ECO26_1415
<u>eci</u>	UTI89_C2126	UTI89_C2125		UTI89_C1208	UTI89_C1207
<u>sbc</u>	SbBS512_E1055	SbBS512_E1054		SbBS512_E2242	SbBS512_E2243
<u>tcx</u>	Tcr_1448	Tcr_1449	Tcr_1450		Tcr_1465
<u>eah</u>	ECO103_2181	ECO103_2180		ECO103_1128	ECO103_1127
<u>bba</u>	Bd0611	Bd0610		Bd0542	Bd0540
<u>ecc</u>	c2340	c2339		c1352	c1351
<u>eck</u>	EC55989_2146	EC55989_2145		EC55989_1196	EC55989_1195
<u>ect</u>	ECIAI39_1130	ECIAI39_1131		ECIAI39_2079	ECIAI39_2080

<u>hha</u>	Hhal_0503	Hhal_0504	Hhal_0505	Hhal_0510	Hhal_0511
<u>son</u>	SO_3233	SO_3235	SO_3236		<u>SO_3239.3</u>
<u>svo</u>	SVI_1427	SVI_1425	SVI_1424	SVI_1421	SVI_1420
<u>cbe</u>	Cbei_4292	Cbei_4291	Cbei_4294	Cbei_4297	Cbei_4298
<u>sdv</u>	SDY_1090	SDY_1091		SDY_2068	
<u>sgl</u>	SG0056	SG0057		SG0040	SG0039
<u>shm</u>	Shewmr7_1344	Shewmr7_1343	Shewmr7_1342	Shewmr7_1339	Shewmr7_1338
<u>dda</u>	Dd703_1537	Dd703_1536		Dd703_1535	Dd703_1534
<u>cff</u>	CFF8240_0091	CFF8240_0092	CFF8240_0093	CFF8240_0683	CFF8240_0100
<u>hhe</u>	HH0791	HH0790	HH0789	HH1695	HH0876
<u>mmb</u>	Mmol_0922	Mmol_0921	Mmol_0920	Mmol_0940	Mmol_0941
<u>rsl</u>	RPSI07_mp0340	RPSI07_mp0339		RPSI07_mp0326	RPSI07_mp0325
<u>pat</u>	Patl_3082	Patl_3083	Patl_3084	Patl_3090	Patl_3091
<u>sdn</u>	Sden_1319	Sden_1317	Sden_1316	Sden_1313	Sden_3642
<u>mpt</u>	Mpe_A2864	Mpe_A2865		Mpe_A3063	Mpe_A3064
<u>ttu</u>	TERTU_1319	TERTU_1316	TERTU_1315	TERTU_1235	TERTU_1234
<u>pmx</u>	PERMA_1617	PERMA_1618	PERMA_1619	PERMA_1615	PERMA_1614
<u>ecg</u>	E2348C_2043	E2348C_2042		E2348C_1173	E2348C_1172
<u>etw</u>	ECSP_2530	ECSP_2529		ECSP_1384	ECSP_1383
<u>ecs</u>	ECs2664	ECs2663		ECs1461	ECs1460
<u>mfa</u>	Mfla_1983	Mfla_1984	Mfla_1985	Mfla_1964	Mfla_1963
<u>ece</u>	Z3015	Z3014		Z1721	Z1720
<u>ecm</u>	EcSMS35_1256	EcSMS35_1257		EcSMS35_2045	EcSMS35_2046
<u>eo</u>	ECO111_2507	ECO111_2504		ECO111_0283	ECO111_1359
<u>ecf</u>	ECH74115_2700	ECH74115_2699		ECH74115_1462	ECH74115_1461
<u>eok</u>	G2583_2376	G2583_2375		G2583_1342	G2583_1341
<u>azo</u>	azo2707	azo2706	azo2705	azo2730	azo2731
<u>meh</u>	M301_0997	M301_0996	M301_0995	M301_1715	M301_1714
<u>aba</u>	Acid345_2937	Acid345_2936		Acid345_2931	Acid345_2930
<u>gsu</u>	GSU3036	GSU3037	GSU3015	GSU3042	GSU3043
<u>epy</u>	EpC_14980	EpC_14990		EpC_21570	EpC_21580
<u>amc</u>	MADE_02913	MADE_02914			MADE_02919
<u>bpb</u>	bpr_I0486	bpr_I0485	bpr_I0484	bpr_I0479	bpr_I0477

<u>vsp</u>	VS_0818	VS_0816	VS_0815	VS_0811	VS_0810
<u>nde</u>	NIDE2342	NIDE2341	NIDE2340		NIDE2319
<u>eta</u>	ETA_14220	ETA_14230		ETA_20310	ETA_20320
<u>nca</u>	Noca_0764	Noca_0765		Noca_0770	Noca_0769
<u>ppu</u>	PP_4375	PP_4376	PP_4377		PP_4381
<u>ppg</u>	PputGB1_3936	PputGB1_3937	PputGB1_3938		PputGB1_3942
<u>wsu</u>	WS0151	WS0150	WS0149	WS0498	WS0259
<u>hch</u>	HCH_04817	HCH_04818	HCH_04819	HCH_04472	HCH_04473
<u>tmz</u>	Tmz1t_2890	Tmz1t_2889	Tmz1t_2888	Tmz1t_2914	Tmz1t_2915
<u>aae</u>	aq_2002	aq_2001	aq_2000	aq_1663	aq_1662
<u>cbb</u>	CLD_1840	CLD_1841	CLD_1838	CLD_1835	CLD_1834
<u>nmu</u>	Nmul_A1340	Nmul_A1339	Nmul_A1338	Nmul_A1331	Nmul_A1330
<u>swp</u>	swp_1515	swp_1513	swp_1512	swp_5115	swp_5114
<u>ami</u>	Amir_2352	Amir_2353		Amir_2358	Amir_2357
<u>gym</u>	GYMC10_5865	GYMC10_5867	GYMC10_5866		GYMC10_5873
<u>drt</u>	Dret_0634	Dret_0633	Dret_0632	Dret_0603	Dret_0602
<u>ppr</u>	PBPRA0917	PBPRA0915	PBPRA0914	PBPRA0039	PBPRA0038
<u>mcu</u>	HMPREF0573_108	HMPREF0573_108		HMPREF0573_108	HMPREF0573_108
	59	58		54	55
<u>rso</u>	RSp0384	RSp0383		RSp0352	RSp0351
<u>dia</u>	Dtpsy_3084	Dtpsy_3085			Dtpsy_3110
<u>maq</u>	Maqu_2589	Maqu_2590		Maqu_1112	Maqu_1111
<u>ddf</u>	DEFDS_0582	DEFDS_0581	DEFDS_2019	DEFDS_2144	DEFDS_2145
<u>saf</u>	SULAZ_1111	SULAZ_1110	SULAZ_1109	SULAZ_1257	SULAZ_1258
<u>ppw</u>	PputW619_3700	PputW619_3701	PputW619_3702	PputW619_3721	PputW619_3722
<u>sul</u>	SYO3AOP1_0995	SYO3AOP1_0994	SYO3AOP1_0993	SYO3AOP1_1019	SYO3AOP1_0013
<u>mmw</u>	Mmwy11_3567	Mmwy11_3568	Mmwy11_3569	Mmwy11_3573	Mmwy11_3574
<u>ace</u>	Acel_0836	Acel_0835		Acel_0831	Acel_0832
<u>pin</u>	Ping_3585	Ping_3586		Ping_3568	Ping_3569
<u>vap</u>	Vapar_4164	Vapar_4165		Vapar_4181	Vapar_4182
<u>zmn</u>	Za10_0614	Za10_0615		Za10_0654	Za10_0653
<u>ach</u>	Achl_2996	Achl_2997		Achl_3001	Achl_3000

<u>apb</u>	SAR116_0837	<u>SAR116_0839</u>		SAR116_0842	SAR116_0843
<u>zmo</u>	ZMO0652	ZMO0651		ZMO0604	ZMO0605
<u>lmc</u>	Lm4b_00736	Lm4b_00735		Lm4b_00734	Lm4b_00733
<u>tin</u>	Tint_1208	Tint_1207		Tint_1187	Tint_1188
<u>lin</u>	lin0716	lin0715		lin0714	lin0713
<u>lmf</u>	LMOF2365_0744	LMOF2365_0743		LMOF2365_0742	LMOF2365_0741
<u>lmh</u>	LMHCC_1917	LMHCC_1918		LMHCC_1919	LMHCC_1920
<u>pfl</u>	PFL_1632	PFL_1631	PFL_1630		PFL_1618
<u>jde</u>	Jden_2033	Jden_2034		Jden_2042	Jden_2041
<u>ske</u>	Sked_31270	Sked_31280		Sked_31340	Sked_31330
<u>tal</u>	Thal_1439	Thal_1440	Thal_1441	Thal_1099	Thal_1098
<u>lsg</u>	lse_0619	lse_0618		lse_0617	lse_0616
<u>ppf</u>	Pput_1492	Pput_1491			Pput_1474
<u>rpc</u>	RPC_0868	RPC_0867		RPC_0875	RPC_1486
<u>lwe</u>	lwe0677	lwe0676		lwe0675	lwe0674
<u>lmn</u>	LM5578_0787	LM5578_0786		LM5578_0785	LM5578_0784
<u>lmo</u>	lmo0708	lmo0707		lmo0706	lmo0705
<u>lmy</u>	LM5923_0742	LM5923_0741		LM5923_0740	LM5923_0739
<u>pfs</u>	PFLU4445	PFLU4446	PFLU4447	PFLU4450	PFLU4451
<u>pen</u>	PSEEN3823	PSEEN3824			PSEEN3832
<u>psl</u>	Psta_2374	Psta_2373			Psta_2368
<u>bj</u>	blr3697	blr3696		blr3704	bll5853
<u>dak</u>	DaAHT2_0290	DaAHT2_0289	DaAHT2_0292		DaAHT2_2345
<u>pha</u>	PSHAa0786	PSHAa0784	PSHAa0783	PSHAa0779	PSHAa0778
<u>aca</u>	ACP_0112	ACP_0111		ACP_0263	ACP_0261
<u>pfo</u>	Pfl01_1530	Pfl01_1529	Pfl01_1528	Pfl01_1507	Pfl01_1506
<u>sjp</u>	SJA_C1-30670	SJA_C1-30680		SJA_C1-31070	SJA_C1-31060
<u>gau</u>	GAU_0354	GAU_0353			GAU_0299
<u>rpe</u>	RPE_0780	RPE_0781		RPE_0773	RPE_1504
<u>sal</u>	Sala_2921	Sala_2922			Sala_2916
<u>bcy</u>	Bcer98_1354	Bcer98_1353		Bcer98_1352	Bcer98_1351
<u>psp</u>	PSPPH_3389	PSPPH_3390	PSPPH_3391	PSPPH_3396	PSPPH_3397
<u>bbt</u>	BBta_3161	BBta_3160		BBta_3169	BBta_5536

<u>afo</u>	Afer_0115	Afer_0114		Afer_0209	Afer_0208
<u>pst</u>	PSPTO_1952	PSPTO_1951	PSPTO_1950	PSPTO_1945	PSPTO_1944
<u>aha</u>	AHA_1702	AHA_1701	AHA_1700	AHA_2832	AHA_2833
<u>psb</u>	Psyr_3463	Psyr_3464		Psyr_3470	Psyr_3471
<u>rpb</u>	RPB_0762	RPB_0761		RPB_0769	RPB_3816
<u>rpt</u>	Rpal_0709	Rpal_0708		Rpal_0716	Rpal_4454
<u>rpa</u>	RPA0642	RPA0641		RPA0649	RPA3931
<u>bat</u>	BAS1555	BAS1554		BAS1552	BAS1551
<u>bah</u>	BAMEG_2914	BAMEG_2915		BAMEG_2917	BAMEG_2919
<u>bai</u>	BAA_1746	BAA_1745			BAA_1742
<u>bcr</u>	BCAH187_A1817	BCAH187_A1816		BCAH187_A1815	BCAH187_A1814
<u>ban</u>	BA_1672	BA_1671			BA_1669
<u>bar</u>	GBAA_1672	GBAA_1671			GBAA_1669
<u>bca</u>	BCE_1761	BCE_1760		BCE_1759	BCE_1758
<u>bcq</u>	BCQ_1705	BCQ_1704		BCQ_1703	BCQ_1702

#### Cluster 12

Organism	rpsH	rpsN	rplE	rplX	rplN	rpsQ	rpmC
<u>sth</u>	STH3061	STH3062	STH3063	STH3064	STH3065	STH3066	STH3067
<u>pth</u>	PTH_0333	<u>PTH_3000</u>	PTH_0332	PTH_0331	PTH_0330	PTH_0329	PTH_0328
<u>chy</u>	CHY_2295	CHY_2296	CHY_2297	CHY_2298	CHY_2299	CHY_2300	CHY_2301
<u>drm</u>	Dred_0229	Dred_0228	Dred_0227	Dred_0226	Dred_0225	Dred_0224	Dred_0223
<u>dae</u>	Dtox_0300	Dtox_0299	Dtox_0298	Dtox_0297	Dtox_0296	Dtox_0295	Dtox_0294
<u>tjr</u>	TherJR_0310	TherJR_0309	TherJR_0308	TherJR_0307	TherJR_0306	TherJR_0305	TherJR_0304
<u>adg</u>	Adeg_1510	Adeg_1511	Adeg_1512	Adeg_1513	Adeg_1514	Adeg_1515	Adeg_1516
<u>dsy</u>	DSY0485	DSY0484	DSY0483	DSY0482	DSY0481	DSY0480	DSY0479
<u>dhd</u>	Dhaf_0436	Dhaf_0435	Dhaf_0434	Dhaf_0433	Dhaf_0432	Dhaf_0431	Dhaf_0430
<u>cob</u>	COB47_0853	COB47_0852	COB47_0851	COB47_0850	COB47_0849	COB47_0848	COB47_0847
<u>swol</u>	Swol_2319	Swol_2320	Swol_2321	Swol_2322	Swol_2323	Swol_2324	Swol_2325
<u>ate</u>	Athe_1731	Athe_1732	Athe_1733	Athe_1734	Athe_1735	Athe_1736	Athe_1737
<u>tit</u>	Thit_1958	Thit_1959	Thit_1960	Thit_1961	Thit_1962	Thit_1963	Thit_1964
<u>tmt</u>	Tmath_1919	Tmath_1920	Tmath_1921	Tmath_1922	Tmath_1923	Tmath_1924	Tmath_1925

<u>tte</u>	TTE2277	TTE2278	TTE2279	TTE2281	TTE2282	TTE2283	TTE2284
<u>toc</u>	Toce_0133	Toce_0132	Toce_0131	Toce_0130	Toce_0129	Toce_0128	Toce_0127
<u>hmo</u>	HM1_1392	HM1_1391	HM1_1390	HM1_1389	HM1_1388	HM1_1387	HM1_1386
<u>csc</u>	Csac_2273	Csac_2274	Csac_2275	Csac_2276	Csac_2277	Csac_2278	Csac_2279
<u>slp</u>	Slip_2223	Slip_2224	Slip_2225	Slip_2226	Slip_2227	Slip_2228	Slip_2229
<u>dau</u>	Daud_0239	Daud_0238	Daud_0237	Daud_0236	Daud_0235	Daud_0234	Daud_0233
<u>tex</u>	Teth514_0881	Teth514_0880	Teth514_0879	Teth514_0878	Teth514_0877	Teth514_0876	Teth514_0875
<u>tpd</u>	Teth39_0388	Teth39_0387	Teth39_0386	Teth39_0385	Teth39_0384	Teth39_0383	Teth39_0382
<u>pjd</u>	Pjdr2_5666	Pjdr2_5667	Pjdr2_5668	Pjdr2_5669	Pjdr2_5670	Pjdr2_5671	Pjdr2_5672
<u>mta</u>	Moth_2446	Moth_2447	Moth_2448	Moth_2449	Moth_2450	Moth_2451	Moth_2452
<u>bts</u>	Btus_0167	Btus_0166	Btus_0165	Btus_0164	Btus_0163	Btus_0162	Btus_0161
<u>afn</u>	Acfer_1915	Acfer_1916	Acfer_1917	Acfer_1918	Acfer_1919	Acfer_1920	Acfer_1921
<u>afl</u>	Aflv_0119	Aflv_0118	Aflv_0117	Aflv_0116	Aflv_0115	Aflv_0114	Aflv_0113
<u>gct</u>	GC56T3_0120	GC56T3_0119	GC56T3_0118	GC56T3_0117	GC56T3_0116	GC56T3_0115	GC56T3_0114
<u>gyc</u>	GYMC61_0121	GYMC61_0120	GYMC61_0119	GYMC61_0118	GYMC61_0117	GYMC61_0116	GYMC61_0115
<u>gwc</u>	GWCH70_0125	GWCH70_0124	GWCH70_0123	GWCH70_0122	GWCH70_0121	GWCH70_0120	GWCH70_0119
<u>bcl</u>	ABC0164	ABC0163	ABC0162	ABC0161	ABC0160	ABC0159	ABC0158
<u>gtn</u>	GTNG_0119	GTNG_0118	GTNG_0117		GTNG_0116	GTNG_0115	GTNG_0114
<u>bha</u>	BH0148	BH0147	BH0146	BH0145	BH0144	BH0143	BH0142
<u>nth</u>	Nther_0208	Nther_0207	Nther_0206	Nther_0205	Nther_0204	Nther_0203	Nther_0202
<u>aac</u>	Aaci_2697	Aaci_2698	Aaci_2699	Aaci_2700	Aaci_2701	Aaci_2702	Aaci_2703
<u>gym</u>	GYMC10_5734	GYMC10_5735	GYMC10_5736	GYMC10_5737	GYMC10_5738	GYMC10_5739	GYMC10_5740
<u>gka</u>	GK0120	GK0119	GK0118	GK0117	GK0116	GK0115	GK0114
<u>ttm</u>	Tthe_0446	Tthe_0445	Tthe_0444	Tthe_0443	Tthe_0442	Tthe_0441	Tthe_0440
<u>bcy</u>	Bcer98_0118	Bcer98_0117	Bcer98_0116	Bcer98_0115	Bcer98_0114	Bcer98_0113	Bcer98_0112
<u>bmq</u>	BMQ_0152	BMQ_0151	BMQ_0150	BMQ_0149	BMQ_0148	BMQ_0147	BMQ_0146
<u>bmd</u>	BMD_0148	BMD_0147	BMD_0146	BMD_0145	BMD_0144	BMD_0143	BMD_0142
<u>bpf</u>	BpOF4_08620	BpOF4_08615	BpOF4_08610	BpOF4_08605	BpOF4_08600	BpOF4_08595	BpOF4_08590
<u>bai</u>	BAA_0140	BAA_0139	BAA_0138	BAA_0137	BAA_0136	BAA_0135	BAA_0134
<u>bcr</u>	BCAH187_A0155	BCAH187_A0154	BCAH187_A0153	BCAH187_A0152	BCAH187_A0151	BCAH187_A0150	BCAH187_A0149
<u>bth</u>	BMB171_C0119	BMB171_C0118	BMB171_C0117	BMB171_C0116	BMB171_C0115	BMB171_C0114	BMB171_C0113
<u>bar</u>	GBAA_0124	GBAA_0123	GBAA_0122	GBAA_0121	GBAA_0120	GBAA_0119	GBAA_0118

<u>bal</u>	BACI_c01510	BACI_c01500	BACI_c01490	BACI_c01480	BACI_c01470	BACI_c01460	BACI_c01450
<u>bat</u>	BAS0124	BAS0123	BAS0122	BAS0121	BAS0120	BAS0119	BAS0118
<u>bca</u>	BCE_0124	BCE_0123	BCE_0122	BCE_0121	BCE_0120	BCE_0119	BCE_0118
<u>btk</u>	BT9727_0120	BT9727_0119	BT9727_0118	BT9727_0117	BT9727_0116	BT9727_0115	BT9727_0114
<u>bce</u>	BC0145	BC0144	BC0143	BC0142	BC0141	BC0140	BC0139
<u>bcx</u>	BCA_0153	BCA_0152	BCA_0151	BCA_0150	BCA_0149	BCA_0148	BCA_0147
<u>bah</u>	BAMEG_0140	BAMEG_0139	BAMEG_0138	BAMEG_0137	BAMEG_0136	BAMEG_0135	BAMEG_0134
<u>bcq</u>	BCQ_0137	BCQ_0136	BCQ_0135	BCQ_0134	BCQ_0133	BCQ_0132	BCQ_0131
<u>bcg</u>	BCG9842_B5181	BCG9842_B5182	BCG9842_B5183	BCG9842_B5184	BCG9842_B5185	BCG9842_B5186	BCG9842_B5187
<u>bcz</u>	BCZK0118	BCZK0117	BCZK0116	BCZK0115	BCZK0114	BCZK0113	BCZK0112
<u>bcu</u>	BCAH820_0136	BCAH820_0135	BCAH820_0134	BCAH820_0133	BCAH820_0132	BCAH820_0131	BCAH820_0130
<u>btl</u>	BALH_0122	BALH_0121	BALH_0120	BALH_0119	BALH_0118	BALH_0117	BALH_0116
<u>bcb</u>	BCB4264_A0145	BCB4264_A0144	BCB4264_A0143	BCB4264_A0142	BCB4264_A0141	BCB4264_A0140	BCB4264_A0139
<u>ban</u>	BA_0124	BA_0123	BA_0122	BA_0121	BA_0120	BA_0119	BA_0118
<u>eat</u>	EAT1b_1619	EAT1b_1620	EAT1b_1621	EAT1b_1622	EAT1b_1623	EAT1b_1624	EAT1b_1625
<u>aoe</u>	Clos_0506	Clos_0505	Clos_0504	Clos_0503	Clos_0502	Clos_0501	Clos_0500
<u>bbe</u>	BBR47_02350	BBR47_02340	BBR47_02330	BBR47_02320	BBR47_02310	BBR47_02300	BBR47_02290
<u>esi</u>	Exig_0110	Exig_0109	Exig_0108	Exig_0107	Exig_0106	Exig_0105	Exig_0104
<u>bli</u>	BL01037	BL05211	BL01039	BL01040	BL01041	BL01042	BL01043
<u>bld</u>	BLi00147	BLi02239	BLi00145	BLi00144	BLi00143	BLi00142	BLi00141
<u>bss</u>	BSUW23_00660	BSUW23_00655	BSUW23_00650	BSUW23_00645	BSUW23_00640	BSUW23_00635	BSUW23_00630
<u>bwe</u>	BcerKBAB4_0119	BcerKBAB4_0118	BcerKBAB4_0117	BcerKBAB4_0116	BcerKBAB4_0115	BcerKBAB4_0114	BcerKBAB4_0113
<u>amt</u>	Amet_4464	Amet_4465	Amet_4466	Amet_4467	Amet_4468	Amet_4469	Amet_4470
<u>bsu</u>	BSU01300	BSU01290	BSU01280	BSU01270	BSU01260	BSU01250	BSU01240
<u>bay</u>	RBAM_001550	RBAM_001540	RBAM_001530	RBAM_001520	RBAM_001510	RBAM_001500	RBAM_001490
<u>bpu</u>	BPUM_0116	BPUM_0115	BPUM_0114	BPUM_0113	BPUM_0112	BPUM_0111	BPUM_0110
<u>lci</u>	LCK_01582	LCK_01103	LCK_01583	LCK_01584	LCK_01585	LCK_01586	LCK_01587
<u>lca</u>	LSEI_2489	LSEI_2490	LSEI_2491	LSEI_2492	LSEI_2493	LSEI_2494	LSEI_2495
<u>lcz</u>	LCAZH_2456	LCAZH_2457	LCAZH_2458	LCAZH_2459	LCAZH_2460	LCAZH_2461	LCAZH_2462
<u>lrh</u>	LGG_02473	LGG_02474	LGG_02475	LGG_02476	LGG_02477	LGG_02478	LGG_02479
<u>lcb</u>	LCABL_26570	LCABL_25960	LCABL_26580	LCABL_26590	LCABL_26600	LCABL_26610	LCABL_26620
<u>lsl</u>	LSL_1421	LSL_1422	LSL_1423	LSL_1424	LSL_1425	LSL_1426	LSL_1427



<u>lrl</u>	LC705_02475	LC705_02422	LC705_02476	LC705_02477	LC705_02478	LC705_02479	LC705_02480
<u>hor</u>	Hore_01310	Hore_01300	Hore_01290	Hore_01280	Hore_01270	Hore_01260	Hore_01250
<u>ldb</u>	Ldb0410	Ldb0409	Ldb0408	Ldb0407	Ldb0406	Ldb0405	Ldb0404
<u>lbv</u>	LBUL_0364	LBUL_0363	LBUL_0362	LBUL_0361	LBUL_0360	LBUL_0359	LBUL_0358
<u>lhev</u>	lhv_0326	lhv_0325	lhv_0324	lhv_0323	lhv_0322	lhv_0321	lhv_0320
<u>lme</u>	LEUM_0209	LEUM_1360	LEUM_0208	LEUM_0207	LEUM_0206	LEUM_0205	LEUM_0204
<u>lcr</u>	LCRIS_00312	LCRIS_00311	LCRIS_00310	LCRIS_00309	LCRIS_00308	LCRIS_00307	LCRIS_00306
<u>lrf</u>	LAR_1380	LAR_1381	LAR_1382	LAR_1383	LAR_1384	LAR_1385	LAR_1386
<u>lre</u>	Lreu_1469	Lreu_1470	Lreu_1471	Lreu_1472	Lreu_1473	Lreu_1474	Lreu_1475
<u>lac</u>	LBA0304	<u>LBA0303a</u>	LBA0303	LBA0302	LBA0301	LBA0300	LBA0299
<u>lpl</u>	lp_1050	lp_1048	lp_1047	lp_1046	lp_1045	lp_1044	lp_1043
<u>lpj</u>	JDM1_0864	JDM1_0863	JDM1_0862	JDM1_0861	JDM1_0860	JDM1_0859	JDM1_0858
<u>lfe</u>	LAF_1501	LAF_1502	LAF_1503	LAF_1504	LAF_1505	LAF_1506	LAF_1507
<u>lgs</u>	LEGAS_1717	LEGAS_0794	LEGAS_1718	LEGAS_1719	LEGAS_1720	LEGAS_1721	LEGAS_1722
<u>lki</u>	LKI_06580	LKI_09115	LKI_06575	LKI_06570	LKI_06565	LKI_06560	LKI_06555
<u>mccl</u>	MCCL_0209	MCCL_0208	MCCL_0207	MCCL_0206	MCCL_0205	MCCL_0204	MCCL_0203
<u>ssb</u>	SSUBM407_0081	SSUBM407_0079	SSUBM407_0078	SSUBM407_0077	SSUBM407_0076	SSUBM407_0075	SSUBM407_0074
<u>ssu</u>	SSU05_0084	SSU05_1535	SSU05_0083	SSU05_0082	SSU05_0081	SSU05_0080	SSU05_0079
<u>sss</u>	SSUSC84_0081	SSUSC84_0079	SSUSC84_0078	SSUSC84_0077	SSUSC84_0076	SSUSC84_0075	SSUSC84_0074
<u>ssi</u>	SSU0085	SSU0083	SSU0082	SSU0081	SSU0080	SSU0079	SSU0078
<u>ssv</u>	SSU98_0085	SSU98_1546	SSU98_0084	SSU98_0083	SSU98_0082	SSU98_0081	SSU98_0080
<u>ppe</u>	PEPE_1404	PEPE_1405	PEPE_1406	PEPE_1407	PEPE_1408	PEPE_1409	PEPE_1410
<u>oih</u>	OB0133	OB0132	OB0131	OB0130	OB0129	OB0128	OB0127
<u>bse</u>	Bsel_0129	Bsel_0128	Bsel_0127	Bsel_0126	Bsel_0125	Bsel_0124	Bsel_0123
<u>ssp</u>	SSP0677	SSP0676	SSP0675	SSP0674	SSP0673	SSP0672	SSP0671
<u>efa</u>	EF0220	EF0219	EF0218	EF0217	EF0216	EF0215	EF0214
<u>lsp</u>	Bsph_4600	Bsph_4601	Bsph_4602	Bsph_4603	Bsph_4604	Bsph_4605	Bsph_4606
<u>lsg</u>	lse_2523	lse_2524	lse_2525	lse_2526	lse_2527	lse_2528	lse_2529
<u>lmn</u>	LM5578_0242	LM5578_0241	LM5578_0240	LM5578_0239	LM5578_0238	LM5578_0237	LM5578_0236
<u>lmy</u>	LM5923_0242	LM5923_0241	LM5923_0240	LM5923_0239	LM5923_0238	LM5923_0237	LM5923_0236
<u>cdl</u>	CDR20291_0081	CDR20291_0080	CDR20291_0079	CDR20291_0078	CDR20291_0077	CDR20291_0076	CDR20291_0075
<u>lwe</u>	lwe2568	lwe2569	lwe2570	lwe2571	lwe2572	lwe2573	lwe2574
<u>lmh</u>	LMHCC_2916	LMHCC_2915	LMHCC_2914	LMHCC_2913	LMHCC_2912	LMHCC_2911	LMHCC_2910

<u>eel</u>	EUBELI_00313	EUBELI_00312	EUBELI_00311	EUBELI_00310	EUBELI_00309	EUBELI_00308	EUBELI_00307
<u>lmo</u>	lmo2618	lmo2619	lmo2620	lmo2621	lmo2622	lmo2623	lmo2624
<u>lin</u>	lin2767	lin2768	lin2769	lin2770	lin2771	lin2772	lin2773
<u>lmf</u>	LMOF2365_2591	LMOF2365_2592	LMOF2365_2593	LMOF2365_2594	LMOF2365_2595	LMOF2365_2596	LMOF2365_2597
<u>cdc</u>	CD196_0093	CD196_0092	CD196_0091	CD196_0090	CD196_0089	CD196_0088	CD196_0087
<u>lmc</u>	Lm4b_02585	Lm4b_02586	Lm4b_02587	Lm4b_02588	Lm4b_02589	Lm4b_02590	Lm4b_02591
<u>cdf</u>	CD0085	CD0084A	CD0084	CD0083	CD0082	CD0081	CD0080A
<u>sca</u>	Sca_1721	Sca_1722	Sca_1723	Sca_1724	Sca_1725	Sca_1726	Sca_1727
<u>cbi</u>	CLJ_B3775	CLJ_B3776	CLJ_B3777	CLJ_B3778	CLJ_B3779	CLJ_B3780	CLJ_B3781
<u>cbf</u>	CLI_3649	CLI_3650	CLI_3651	CLI_3652	CLI_3653	CLI_3654	CLI_3655
<u>cbl</u>	CLK_2910	CLK_2911	CLK_2912	CLK_2913	CLK_2914	CLK_2915	CLK_2916
<u>cba</u>	CLB_3523	CLB_3524	CLB_3525	CLB_3526	CLB_3527	CLB_3528	CLB_3529
<u>cbh</u>	CLC_3411	CLC_3412	CLC_3413	CLC_3414	CLC_3415	CLC_3416	CLC_3417
<u>cbo</u>	CBO3467	CBO3468	CBO3469	CBO3470	CBO3471	CBO3472	CBO3472A
<u>cby</u>	CLM_3934	CLM_3935	CLM_3936	CLM_3937	CLM_3938	CLM_3939	CLM_3940
<u>lga</u>	LGAS_0304	LGAS_0168	LGAS_0303	LGAS_0302	LGAS_0301	LGAS_0300	LGAS_0299
<u>lsa</u>	LSA1751	LSA0266	LSA1752	LSA1753	LSA1754	LSA1755	LSA1756
<u>ljo</u>	LJ0351	LJ0350b	LJ0350	LJ0349	LJ0348	LJ0347	LJ0346b
<u>ljf</u>	FI9785_371	FI9785_370	FI9785_369	FI9785_368	FI9785_367	FI9785_366	FI9785_365
<u>slg</u>	SLGD_00786	SLGD_00785	SLGD_00784	SLGD_00783	SLGD_00782	SLGD_00781	SLGD_00780
<u>aar</u>	Acear_0176	Acear_0175	Acear_0174	Acear_0173	Acear_0172	Acear_0171	Acear_0170
<u>fma</u>	FMG_0169	FMG_0168	FMG_0167	FMG_0166	FMG_0165	FMG_0164	FMG_0163
<u>sub</u>	SUB0082	SUB0081	SUB0080	SUB0079	SUB0078	SUB0077	SUB0076
<u>sjj</u>	SPJ_0233	SPJ_0232	SPJ_0231	SPJ_0230	SPJ_0229	SPJ_0228	SPJ_0227
<u>spv</u>	SPH_0337	SPH_0336	SPH_0335	SPH_0334	SPH_0333	SPH_0332	SPH_0331
<u>spd</u>	SPD_0207	SPD_0206	SPD_0205	SPD_0204	SPD_0203	SPD_0202	SPD_0201
<u>sne</u>	SPN23F_02130	SPN23F_02120	SPN23F_02110	SPN23F_02100	SPN23F_02090	SPN23F_02080	SPN23F_02070
<u>snc</u>	HMPREF0837_105 35	HMPREF0837_105 34	HMPREF0837_105 33	HMPREF0837_105 32	HMPREF0837_105 31	HMPREF0837_105 30	HMPREF0837_105 29
<u>sgo</u>	SGO_1971	SGO_1972	SGO_1973	SGO_1974	SGO_1975	SGO_1976	SGO_1977
<u>tai</u>	Taci_1170	Taci_1171	Taci_1172	Taci_1173	Taci_1174	Taci_1175	Taci_1176
<u>snp</u>	SPAP_0272	SPAP_0271	SPAP_0270	SPAP_0269	SPAP_0268	SPAP_0267	SPAP_0266
<u>spw</u>	SPCG_0232	SPCG_0231	SPCG_0230	SPCG_0229	SPCG_0228	SPCG_0227	SPCG_0226

<u>snm</u>	SP70585_0279	SP70585_0278	SP70585_0277	SP70585_0276	SP70585_0275	SP70585_0274	SP70585_0273
<u>spr</u>	spr0203	spr0202	spr0201	spr0200	spr0199	spr0198	spr0197
<u>spn</u>	SP_0224	SP_0222	SP_0221	SP_0220	SP_0219	SP_0218	SP_0217
<u>snt</u>	SPT_0270	SPT_0269	SPT_0268	SPT_0267	SPT_0266	SPT_0265	SPT_0264
<u>spp</u>	SPP_0274	SPP_0273	SPP_0272	SPP_0271	SPP_0270	SPP_0269	SPP_0268
<u>snb</u>	SP670_0297	SP670_0296	SP670_0295	SP670_0294	SP670_0293	SP670_0292	SP670_0291
<u>smb</u>	smi_1891	smi_1892	smi_1893	smi_1894	smi_1895	smi_1896	smi_1897
<u>lbr</u>	LVIS_1676	LVIS_1677	LVIS_1678	LVIS_1679	LVIS_1680	LVIS_1681	LVIS_1682
<u>cbb</u>	CLD_1038	CLD_1037	CLD_1036	CLD_1035	CLD_1034	CLD_1033	CLD_1032
<u>smu</u>	SMU.2012	SMU.2014	SMU.2015	SMU.2016	SMU.2017	SMU.2018	SMU.2019
<u>sga</u>	GALLO_0064	GALLO_0063	GALLO_0062	GALLO_0061	GALLO_0060	GALLO_0059	GALLO_0058
<u>spm</u>	spyM18_0066	spyM18_0065	spyM18_0064	spyM18_0063	spyM18_0062	spyM18_0061	spyM18_0060
<u>ssa</u>	SSA_0120	SSA_2391	SSA_0119	SSA_0118	SSA_0117	SSA_0116	SSA_0115
<u>spi</u>	MGAS2096_Spy00 61	MGAS2096_Spy16 15	MGAS2096_Spy00 60	MGAS2096_Spy00 59	MGAS2096_Spy00 58	MGAS2096_Spy00 57	MGAS2096_Spy00 56
<u>ser</u>	SERP1817	SERP1818	SERP1819	SERP1820	SERP1821	SERP1822	SERP1823
<u>sha</u>	SH0816	SH0815	SH0814	SH0813	SH0812	SH0811	SH0810
<u>spz</u>	M5005_Spy_0058	M5005_Spy_0057	M5005_Spy_0056	M5005_Spy_0055	M5005_Spy_0054	M5005_Spy_0053	M5005_Spy_0052
<u>sps</u>	SPs0056	SPs0055	SPs0054	SPs0053	SPs0052	SPs0051	SPs0050
<u>sph</u>	MGAS10270_Spy0 060	MGAS10270_Spy0 059	MGAS10270_Spy0 058	MGAS10270_Spy0 057	MGAS10270_Spy0 056	MGAS10270_Spy0 055	MGAS10270_Spy0 054
<u>spf</u>	SpyM50058	SpyM50057	SpyM50056	SpyM50055	SpyM50054	SpyM50053	SpyM50052
<u>seq</u>	SZO_00640	SZO_00630	SZO_00620	SZO_00610	SZO_00600	SZO_00590	SZO_00580
<u>spy</u>	SPy_0065	SPy_0064	SPy_0063	SPy_0062	SPy_0061	SPy_0060	SPy_0059
<u>spa</u>	M6_Spy0107	M6_Spy0106	M6_Spy0105	M6_Spy0104	M6_Spy0103	M6_Spy0102	M6_Spy0101
<u>spk</u>	MGAS9429_Spy00 58	MGAS9429_Spy00 57	MGAS9429_Spy00 56	MGAS9429_Spy00 55	MGAS9429_Spy00 54	MGAS9429_Spy00 53	MGAS9429_Spy00 52
<u>seu</u>	SEQ_0069	SEQ_0068	SEQ_0067	SEQ_0066	SEQ_0065	SEQ_0064	SEQ_0063
<u>sez</u>	Sez_0070	Sez_0069	Sez_0068	Sez_0067	Sez_0066	Sez_0065	Sez_0064
<u>spg</u>	SpyM3_0054	SpyM3_0053	SpyM3_0052	SpyM3_0051	SpyM3_0050	SpyM3_0049	SpyM3_0048
<u>spi</u>	MGAS10750_Spy0 062	MGAS10750_Spy0 061	MGAS10750_Spy0 060	MGAS10750_Spy0 059	MGAS10750_Spy0 057	MGAS10750_Spy0 056	MGAS10750_Spy0 055
<u>spb</u>	M28_Spy0057	M28_Spy0056	M28_Spy0055	M28_Spy0054	M28_Spy0053	M28_Spy0052	M28_Spy0051

<u>sep</u>	SE1809	SE1810	SE1811	SE1812	SE1814	SE1815	SE1816
<u>soz</u>	Spy49_0061	Spy49_0060	Spy49_0059	Spy49_0058	Spy49_0057	Spy49_0056	Spy49_0055
<u>ckr</u>	CKR_0197	CKR_0196	CKR_0195	CKR_0194	CKR_0193	CKR_0192	CKR_0191
<u>ckl</u>	CKL_0238	CKL_0237	CKL_0236	CKL_0235	CKL_0234	CKL_0233	CKL_0232
<u>stc</u>	str1920	str1921	str1922	str1923	str1924	str1925	str1926
<u>ste</u>	STER_1893	STER_1894	STER_1895	STER_1896	STER_1897	STER_1898	STER_1899
<u>stl</u>	stu1920	stu1921	stu1922	stu1923	stu1924	stu1925	stu1926
<u>ccb</u>	Clocel_3719	Clocel_3720	Clocel_3721	Clocel_3722	Clocel_3723	Clocel_3724	Clocel_3725
<u>sds</u>	SDEG_0083	SDEG_0082	SDEG_0081	SDEG_0080	SDEG_0078	SDEG_0077	SDEG_0076
<u>aco</u>	Amico_0641	Amico_0640	Amico_0639	Amico_0638	Amico_0637	Amico_0636	Amico_0635
<u>ctc</u>	CTC02589		CTC02590	CTC02591	CTC02593		CTC02593a
<u>sao</u>	SAOUHSC_02498	SAOUHSC_02499	SAOUHSC_02500	SAOUHSC_02501	SAOUHSC_02502	SAOUHSC_02503	SAOUHSC_02504
<u>spx</u>	SPG_0209	SPG_0208	SPG_0207	SPG_0206	SPG_0205	SPG_0204	SPG_0203
<u>sax</u>	USA300HOU_222 7	USA300HOU_222 8	USA300HOU_222 9	USA300HOU_223 0	USA300HOU_223 1	USA300HOU_223 2	USA300HOU_223 3
<u>sac</u>	SACOL2225	SACOL2226	SACOL2227	SACOL2228	SACOL2229	SACOL2230	SACOL2231
<u>sar</u>	SAR2321	SAR2322	SAR2323	SAR2324	SAR2325	SAR2326	SAR2327
<u>saj</u>	SaurJH9_2263	SaurJH9_2264	SaurJH9_2265	SaurJH9_2266	SaurJH9_2267	SaurJH9_2268	SaurJH9_2269
<u>sae</u>	NWMN_2138	NWMN_2139	NWMN_2140	NWMN_2141	NWMN_2142	NWMN_2143	NWMN_2144
<u>sab</u>	SAB2108c	SAB2109c	SAB2110c	SAB2111c	SAB2112c	SAB2113c	SAB2114c
<u>sad</u>	SAAV_2298	SAAV_2299	SAAV_2300	SAAV_2301	SAAV_2302	SAAV_2303	SAAV_2304
<u>sav</u>	SAV2236	SAV2237	SAV2238	SAV2239	SAV2240	SAV2241	SAV2242
<u>sah</u>	SaurJH1_2304	SaurJH1_2305	SaurJH1_2306	SaurJH1_2307	SaurJH1_2308	SaurJH1_2309	SaurJH1_2310
<u>saa</u>	SAUSA300_2190	SAUSA300_2191	SAUSA300_2192	SAUSA300_2193	SAUSA300_2194	SAUSA300_2195	SAUSA300_2196
<u>sau</u>	SA2034	SAS079	SA2035	SA2036	SA2037	SA2038	SA2039
<u>sas</u>	SAS2127	SAS2128	SAS2129	SAS2130	SAS2131	SAS2132	SAS2133
<u>sam</u>	MW2155	MW2156	MW2157	MW2158	MW2159	MW2160	MW2161
<u>saw</u>	SAHV_2220	SAHV_2221	SAHV_2222	SAHV_2223	SAHV_2224	SAHV_2225	SAHV_2226
<u>smc</u>	SmuNN2025_1749	SmuNN2025_1750	SmuNN2025_1751	SmuNN2025_1752	SmuNN2025_1753	SmuNN2025_1754	SmuNN2025_1755
<u>ooe</u>	OEOE_0608	OEOE_1030	OEOE_0607	OEOE_0606	OEOE_0605	OEOE_0604	OEOE_0603
<u>cce</u>	Ccel_0772	Ccel_0771	Ccel_0770	Ccel_0769	Ccel_0768	Ccel_0767	Ccel_0766

<u>sag</u>	SAG0072	SAG0071	SAG0070	SAG0069	SAG0068	SAG0067	SAG0066
<u>san</u>	gbs0072	gbs0071	gbs0070	gbs0069	gbs0068	gbs0067	gbs0066
<u>sak</u>	SAK_0105	SAK_0104	SAK_0103	SAK_0102	SAK_0101	SAK_0100	SAK_0099
<u>clj</u>	CLJU_c40900	CLJU_c40910	CLJU_c40920	CLJU_c40930	CLJU_c40940	CLJU_c40950	CLJU_c40960
<u>cac</u>	CA_C3119	CA_C3120	CA_C3121	CA_C3122	CA_C3123	CA_C3124	CA_C3125
<u>cth</u>	Cthe_2917	Cthe_2916	Cthe_2915	Cthe_2914	Cthe_2913	Cthe_2912	Cthe_2911
<u>vpr</u>	Vpar_1480	Vpar_1481	Vpar_1482	Vpar_1483	Vpar_1484	Vpar_1485	Vpar_1486
<u>cbt</u>	CLH_0251	CLH_0250	CLH_0249	CLH_0248	CLH_0247	CLH_0246	CLH_0245
<u>cbk</u>	CLL_A0252	CLL_A0251	CLL_A0250	CLL_A0249	CLL_A0248	CLL_A0247	CLL_A0246
<u>cpe</u>	CPE2391	CPE2392	CPE2393	CPE2394	CPE2395	CPE2396	CPE2397
<u>cpf</u>	CPF_2700	CPF_2701	CPF_2702	CPF_2703	CPF_2704	CPF_2705	CPF_2706
<u>cpr</u>	CPR_2385	CPR_2386	CPR_2387	CPR_2388	CPR_2389	CPR_2390	CPR_2391
<u>kol</u>	Kole_1888	Kole_1889	Kole_1890	Kole_1891	Kole_1892	Kole_1893	Kole_1894
<u>tbi</u>	Tbis_0576	Tbis_0575	Tbis_0574	Tbis_0573	Tbis_0572	Tbis_0571	Tbis_0570
<u>mra</u>	MRA_0726	MRA_0725	MRA_0724	MRA_0723	MRA_0722	MRA_0718	MRA_0717
<u>mtf</u>	TBFG_10732	TBFG_10731	TBFG_10730	TBFG_10729	TBFG_10728	TBFG_10724	TBFG_10723
<u>mbo</u>	Mb0739	Mb0738	Mb0737	Mb0736	Mb0735	Mb0730	Mb0729
<u>mtb</u>	TBMG_00732	TBMG_00731	TBMG_00730	TBMG_00729	TBMG_00728	TBMG_00724	TBMG_00723
<u>mtu</u>	Rv0718	Rv0717	Rv0716	Rv0715	Rv0714	Rv0710	Rv0709
<u>mbt</u>	JTY_0738	JTY_0737	JTY_0736	JTY_0735	JTY_0734	JTY_0730	JTY_0729
<u>cbe</u>	Cbei_0165	Cbei_0164	Cbei_0163	Cbei_0162	Cbei_0161	Cbei_0160	Cbei_0159
<u>mbb</u>	BCG_0768	BCG_0767	BCG_0766	BCG_0765	BCG_0764	BCG_0760	BCG_0759
<u>mtc</u>	MT0743	MT0742.1	MT0742	MT0741.1	MT0741	MT0737	MT0736
<u>llm</u>	llmg_2367	llmg_2370	llmg_2371	llmg_2372	llmg_2373	llmg_2374	llmg_2375
<u>taf</u>	THA_1229	THA_1228	THA_1227	THA_1226	THA_1225	THA_1224	THA_1223
<u>llc</u>	LACR_2387	LACR_2389	LACR_2390	LACR_2391	LACR_2392	LACR_2393	LACR_2394
<u>mpa</u>	MAP4181	MAP4180	MAP4179	MAP4178	MAP4177	MAP4170	MAP4169
<u>mul</u>	MUL_0808	MUL_0807	MUL_0806	MUL_0805	MUL_0804	MUL_0799	MUL_0798
<u>mmi</u>	MMAR_1049	MMAR_1048	MMAR_1047	MMAR_1046	MMAR_1045	MMAR_1040	MMAR_1039
<u>cno</u>	NT01CX_1129	NT01CX_1128	NT01CX_1127	NT01CX_1126	NT01CX_1125	NT01CX_1124	NT01CX_1123
<u>tme</u>	Tmel_0967	Tmel_0966	Tmel_0965	Tmel_0964	Tmel_0963	Tmel_0962	Tmel_0961
<u>mle</u>	ML1845	ML1846	ML1847	ML1848	ML1849	ML1854	ML1855
<u>mlb</u>	MLBr_01845	MLBr_01846	MLBr_01847	MLBr_01848	MLBr_01849	MLBr_01854	MLBr_01855

<u>lla</u>	L0385	L0391	L0403	L0420	L0410	L0394	L0423
<u>llk</u>	LLKF_2333	LLKF_2335	LLKF_2336	LLKF_2337	LLKF_2338	LLKF_2339	LLKF_2340
<u>ere</u>	EUBREC_0431		EUBREC_0430	EUBREC_0429	EUBREC_0428	EUBREC_0427	EUBREC_0426
<u>mav</u>	MAV_4451	MAV_4452	MAV_4453	MAV_4454	MAV_4455	MAV_4462	MAV_4463
<u>rxyl</u>	Rxyl_2141	Rxyl_2142	Rxyl_2143	Rxyl_2144	Rxyl_2145	Rxyl_2146	Rxyl_2147
<u>sfum</u>	Sfum_1569	Sfum_1568	Sfum_1567	Sfum_1566	Sfum_1565	Sfum_1564	Sfum_1563
<u>acl</u>	ACL_0101	ACL_0100	ACL_0099	ACL_0098	ACL_0097	ACL_0096	ACL_0095
<u>apre</u>	Apr_1560	Apr_1561	Apr_1562	Apr_1563	Apr_1564	Apr_1565	Apr_1566
<u>cphy</u>	Cphy_3653	Cphy_3654	Cphy_3655	Cphy_3656	Cphy_3657	Cphy_3658	Cphy_3659
<u>tpau</u>	Tpau_3403	Tpau_3418	Tpau_3419	Tpau_3420	Tpau_3421	Tpau_3426	Tpau_3427
<u>msmeg</u>	MSMEG_1469	MSMEG_1468	MSMEG_1467	MSMEG_1466	MSMEG_1465	MSMEG_1445	MSMEG_1444
<u>theye</u>	THEYE_A1432	THEYE_A1433	THEYE_A1434	THEYE_A1435	THEYE_A1436	THEYE_A1437	THEYE_A1438
<u>bpr</u>	bpr_I0608	bpr_I0607	bpr_I0606	bpr_I0605	bpr_I0604	bpr_I0603	bpr_I0602
<u>tlet</u>	Tlet_0593	Tlet_0592	Tlet_0591	Tlet_0590	Tlet_0589	Tlet_0588	Tlet_0587
<u>clo</u>	HMPREF0868_152	HMPREF0868_152	HMPREF0868_152	HMPREF0868_152	HMPREF0868_153	HMPREF0868_153	HMPREF0868_153
	6	7	8	9	0	1	2
<u>tma</u>	TM1486	TM1487	TM1488	TM1489	TM1490	TM1491	TM1492
<u>nfa</u>	nfa7880	nfa7770	nfa7760	nfa7750	nfa7740	nfa7420	nfa7410
<u>trq</u>	TRQ2_1380	TRQ2_1381	TRQ2_1382	TRQ2_1383	TRQ2_1384	TRQ2_1385	TRQ2_1386
<u>tnap</u>	Tnap_1323	Tnap_1322	Tnap_1321	Tnap_1320	Tnap_1319	Tnap_1318	Tnap_1317
<u>tpet</u>	Tpet_1306	Tpet_1305	Tpet_1304	Tpet_1303	Tpet_1302	Tpet_1301	Tpet_1300
<u>mjls</u>	Mjls_1058	Mjls_1057	Mjls_1056	Mjls_1055	Mjls_1054	Mjls_1049	Mjls_1048
<u>amir</u>	Amir_6600	Amir_6601	Amir_6602	Amir_6603	Amir_6604	Amir_6605	Amir_6606
<u>mmcs</u>	Mmcs_1029	Mmcs_1028	Mmcs_1027	Mmcs_1026	Mmcs_1025	Mmcs_1022	Mmcs_1021
<u>mkms</u>	Mkms_1046	Mkms_1045	Mkms_1044	Mkms_1043	Mkms_1042	Mkms_1039	Mkms_1038
<u>tecur</u>	Tcur_4307	Tcur_4308	Tcur_4309	Tcur_4310	Tcur_4311	Tcur_4312	Tcur_4313
<u>ctn</u>	CTN_1007	CTN_1006	CTN_1005	CTN_1004	CTN_1003	CTN_1002	CTN_1001
<u>tlr</u>	tlr0094	tlr1826	tlr0093	tlr0092	tlr0091	tsr0090	tsr0089
<u>mflv</u>	Mflv_5033	Mflv_5034	Mflv_5035	Mflv_5036	Mflv_5037	Mflv_5040	Mflv_5041
<u>tfu</u>	Tfu_2632	Tfu_2633	Tfu_2634	Tfu_2635	Tfu_2636	Tfu_2637	Tfu_2638
<u>gbro</u>	Gbro_3692	Gbro_3710	Gbro_3711	Gbro_3712	Gbro_3713	Gbro_3749	Gbro_3750
<u>rer</u>	RER_18670	RER_18650	RER_18640	RER_18630	RER_18620	RER_18610	RER_18600
<u>mvan</u>	Mvan_1336	Mvan_1335	Mvan_1334	Mvan_1333	Mvan_1332	Mvan_1314	Mvan_1313

<u>kra</u>	Krad_0702	Krad_0701	Krad_0700	Krad_0699	Krad_0698	Krad_0697	Krad_0696
<u>cyn</u>	Cyan7425_1305	Cyan7425_3311	Cyan7425_1304	Cyan7425_1303	Cyan7425_1302	Cyan7425_1301	Cyan7425_1300
<u>cdi</u>	DIP0524	DIP0849	DIP0488	DIP0487	DIP0486	DIP0482	DIP0481
<u>rca</u>	Rcas_4012	Rcas_4013	Rcas_4014	Rcas_4015	Rcas_4016	Rcas_4017	Rcas_4018
<u>nea</u>	Noca_3891	Noca_3892	Noca_3893	Noca_3894	Noca_3895	Noca_3896	Noca_3897
<u>cjk</u>	jk1797	jk1537	jk1799	jk1800	jk1801	jk1824	jk1825
<u>rop</u>	ROP_62000	ROP_61990	ROP_61980	ROP_61970	ROP_61960	ROP_61950	ROP_61940
<u>fnu</u>	FN1630	FN1631	FN1632		FN1635	FN1636	FN1637
<u>rha</u>	RHA1_ro06147	RHA1_ro06146	RHA1_ro06145	RHA1_ro06144	RHA1_ro06143	RHA1_ro06142	RHA1_ro06141
<u>mab</u>	MAB_3798c	MAB_3804c	MAB_3805c	MAB_3806c	MAB_3807c	MAB_3811c	MAB_3812c
<u>svi</u>	Svir_04120	Svir_04110	Svir_04100	Svir_04090	Svir_04080	Svir_04070	Svir_04060
<u>pmo</u>	Pmob_0776	Pmob_0777	Pmob_0778	Pmob_0779	Pmob_0780	Pmob_0781	Pmob_0782
<u>ahe</u>	Arch_1374	Arch_1375	Arch_1376	Arch_1377	Arch_1378	Arch_1379	Arch_1380
<u>chl</u>	Chy400_2570	Chy400_2569	Chy400_2568	Chy400_2567	Chy400_2566	Chy400_2565	Chy400_2564
<u>cau</u>	Caur_2383	Caur_2382	Caur_2381	Caur_2380	Caur_2379	Caur_2378	Caur_2377
<u>cpu</u>	cpfrc_00368	cpfrc_00655	cpfrc_00362	cpfrc_00361	cpfrc_00360	cpfrc_00354	cpfrc_00353
<u>ppd</u>	Ppro_0694	Ppro_0693	Ppro_0692	Ppro_0691	Ppro_0690	Ppro_0689	Ppro_0688
<u>rmu</u>	RMDY18_04930	RMDY18_17170	RMDY18_04920	RMDY18_04910	<u>RMDY18_04890</u>	RMDY18_04850	RMDY18_04840
<u>poy</u>	PAM_214	PAM_213	PAM_212	PAM_211	PAM_210	PAM_209	PAM_208
<u>sro</u>	Sros_1100	Sros_1099	Sros_1098	Sros_1097	Sros_1096	Sros_1095	Sros_1094
<u>ayw</u>	AYWB_508	AYWB_509	AYWB_510	AYWB_511	AYWB_512	AYWB_513	AYWB_514
<u>sen</u>	SACE_6822	SACE_6823	SACE_6824	SACE_6825	SACE_6826	SACE_6827	SACE_6828
<u>cag</u>	Cagg_3010		Cagg_3012	Cagg_3013	Cagg_3014	Cagg_3015	Cagg_3016
<u>nda</u>	Ndas_5138	Ndas_5137	Ndas_5136	Ndas_5135	Ndas_5134	Ndas_5133	Ndas_5132
<u>dak</u>	DaAHT2_1438	DaAHT2_1439	DaAHT2_1440	DaAHT2_1441	DaAHT2_1442	DaAHT2_1443	DaAHT2_1444
<u>sco</u>	SCO4716	SCO4715	SCO4714	SCO4713	SCO4712	SCO4711	SCO4710
<u>ttr</u>	Tter_0729	Tter_0728	Tter_0727	Tter_0726	Tter_0725	Tter_0724	Tter_0723
<u>fno</u>	Fnod_1124	Fnod_1125	Fnod_1126	Fnod_1127	Fnod_1128	Fnod_1129	Fnod_1130
<u>mlu</u>	Mlut_17030	Mlut_19170	Mlut_17040	Mlut_17050	Mlut_17060	Mlut_17070	Mlut_17080
<u>syc</u>	syc1878_d	syc1072_d	syc1877_d	syc1876_d	syc1875_d	syc1874_d	syc1873_d
<u>syf</u>	Synpcc7942_2219	Synpcc7942_0446	Synpcc7942_2220	Synpcc7942_2221	Synpcc7942_2222	Synpcc7942_2223	Synpcc7942_2224
<u>npu</u>	Npun_R4377	Npun_F4037	Npun_R4378	Npun_R4379	Npun_R4380	Npun_R4381	Npun_R4382
<u>ach</u>	Achl_2674	Achl_3721	Achl_2675	Achl_2676	Achl_2677	Achl_2678	Achl_2679

<u>scb</u>	SCAB_36801	SCAB_36811	SCAB_36821	SCAB_36831	SCAB_36841	SCAB_36851	SCAB_36861
<u>cai</u>	Caci_0945	Caci_0944	Caci_0943	Caci_0942	Caci_0941	Caci_0940	Caci_0939
<u>gur</u>	Gura_1080	Gura_1079	Gura_1078	Gura_1077	Gura_1076	Gura_1075	
<u>lxx</u>	Lxx20200	Lxx24980	Lxx20210	Lxx20220	Lxx20230	Lxx20240	Lxx20250
<u>rrs</u>	RoseRS_1171	RoseRS_1172	RoseRS_1173	RoseRS_1174	RoseRS_1175	RoseRS_1176	RoseRS_1177
<u>geo</u>	Geob_3611	Geob_3612	Geob_3613	Geob_3614	Geob_3615	Geob_3616	Geob_3617
<u>dtu</u>	Dtur_0995	Dtur_0994	Dtur_0993	Dtur_0992	Dtur_0991	Dtur_0990	Dtur_0989
<u>cfl</u>	Cfla_2645	Cfla_2646	Cfla_2647	Cfla_2648	Cfla_2649	Cfla_2650	Cfla_2651
<u>mau</u>	Micau_5513	Micau_5514	Micau_5515	Micau_5516	Micau_5517	Micau_5518	Micau_5519
<u>aau</u>	AAur_2935	AAur_3754	AAur_2936	AAur_2937	AAur_2938	AAur_2939	AAur_2940
<u>naz</u>	Aazo_2572	Aazo_2726	Aazo_2571	Aazo_2570	Aazo_2569	Aazo_2568	Aazo_2567
<u>cur</u>	cur_0348	cur_0540	cur_0345	cur_0344	cur_0343	cur_0324	cur_0323
<u>pak</u>	HMPREF0675_490 2	HMPREF0675_490 3	HMPREF0675_490 4	HMPREF0675_490 5	HMPREF0675_490 6	HMPREF0675_490 7	HMPREF0675_490 8
<u>cmi</u>	CMM_2604	CMM_2935	CMM_2605	CMM_2606	CMM_2607	CMM_2608	CMM_2609
<u>pac</u>	PPA1848	PPA1849	PPA1850	PPA1851	PPA1852	PPA1853	PPA1855
<u>pfr</u>	PFREUD_05850	PFREUD_05840	PFREUD_05830	PFREUD_05820	PFREUD_05810	PFREUD_05800	PFREUD_05790
<u>fra</u>	Francci3_0596	Francci3_0595	Francci3_0594	Francci3_0593	Francci3_0592	Francci3_0591	Francci3_0590
<u>sma</u>	SAV_4940	SAV_4939	SAV_4938	SAV_4937	SAV_4936	SAV_4935	SAV_4934
<u>sna</u>	Snas_1199	Snas_1198	Snas_1197	Snas_1196	Snas_1195	Snas_1194	Snas_1193
<u>gob</u>	Gobs_4493	Gobs_4494	Gobs_4495	Gobs_4496	Gobs_4497	Gobs_4498	Gobs_4499
<u>ske</u>	Sked_29600	Sked_29610	Sked_29620	Sked_29630	Sked_29640	Sked_29650	Sked_29660
<u>kse</u>	Ksed_20730	Ksed_20740	Ksed_20750	Ksed_20760	Ksed_20770	Ksed_20780	Ksed_20790
<u>amd</u>	AMED_0691	AMED_0690	AMED_0689	AMED_0688	AMED_0687	AMED_0686	AMED_0685
<u>art</u>	Arth_2962	Arth_3919	Arth_2963	Arth_2964	Arth_2965	Arth_2966	Arth_2967
<u>afw</u>	Anae109_1925	Anae109_1924	Anae109_1923	Anae109_1922	Anae109_1921	Anae109_1920	Anae109_1919
<u>shi</u>	Shel_23330	Shel_23340	Shel_23350	Shel_23360	Shel_23370	Shel_23380	Shel_23390
<u>gsu</u>	GSU2843	GSU2844	GSU2845	GSU2846	GSU2847	GSU2848	GSU2849
<u>krh</u>	KRH_06290	KRH_03620	KRH_06280	KRH_06270	KRH_06260	KRH_06250	KRH_06240
<u>ter</u>	Tery_2999	Tery_3270	Tery_3000	Tery_3001	Tery_3002	Tery_3003	Tery_3004
<u>pal</u>	PAa_0573	PAa_0574	PAa_0575	PAa_0576	PAa_0577	PAa_0578	PAa_0579
<u>rsa</u>	RSal33209_2150	RSal33209_2876	RSal33209_2151	RSal33209_2152	RSal33209_2153	RSal33209_2156	RSal33209_2157
<u>saq</u>	Sare_4301	Sare_4302	Sare_4303	Sare_4304	Sare_4305	Sare_4306	Sare_4307



<u>mcu</u>	HMPREF0573_103	HMPREF0573_103	HMPREF0573_103	HMPREF0573_103	HMPREF0573_103	HMPREF0573_103	HMPREF0573_103
	24	25	26	27	28	37	38
<u>gem</u>	GM21_3314	GM21_3315	GM21_3316	GM21_3317	GM21_3318	GM21_3319	GM21_3320
<u>gbm</u>	Gbem_0947	Gbem_0946	Gbem_0945	Gbem_0944	Gbem_0943	Gbem_0942	Gbem_0941
<u>cef</u>	CE0549	CE0941	CE0535	CE0534	CE0533	CE0531	CE0530
<u>kfl</u>	Kfla_6117	Kfla_6118	Kfla_6119	Kfla_6120	Kfla_6121	Kfla_6122	Kfla_6123
<u>dat</u>	HRM2_36120	HRM2_36130	HRM2_36140	HRM2_36150	HRM2_36160	HRM2_36170	HRM2_36180
<u>xce</u>	Xcel_0641	Xcel_0640	Xcel_0639	Xcel_0638	Xcel_0637	Xcel_0636	Xcel_0635
<u>fre</u>	Franean1_6035	Franean1_6036	Franean1_6037	Franean1_6038	Franean1_6039	Franean1_6040	Franean1_6041
<u>acp</u>	A2cp1_2032	A2cp1_2031	A2cp1_2030	A2cp1_2029	A2cp1_2028	A2cp1_2027	A2cp1_2026
<u>ank</u>	AnaeK_1947	AnaeK_1946	AnaeK_1945	AnaeK_1944	AnaeK_1943	AnaeK_1942	AnaeK_1941
<u>ckp</u>	ckrop_1796	ckrop_0480	ckrop_1809	ckrop_1810	ckrop_1811	ckrop_1828	ckrop_1829
<u>dth</u>	DICTH_0851	DICTH_0850	DICTH_0849	DICTH_0848	DICTH_0847	DICTH_0846	DICTH_0845
<u>ace</u>	Acel_0320	Acel_0319	Acel_0318	Acel_0317	Acel_0316	Acel_0315	Acel_0314
<u>jde</u>	Jden_0601	Jden_0600	Jden_0599	Jden_0598	Jden_0597	Jden_0596	Jden_0595
<u>srt</u>	Srot_2896	Srot_1258	Srot_2898	Srot_2899	Srot_2900	Srot_0158	Srot_0157
<u>ade</u>	Adeh_1932	Adeh_1933	Adeh_1934	Adeh_1935	Adeh_1936	Adeh_1937	Adeh_1938
<u>gme</u>	Gmet_0640	Gmet_0639	Gmet_0638	Gmet_0637	Gmet_0636	Gmet_0635	Gmet_0634
<u>twh</u>	TWT541	TWT115	TWT542	TWT543	TWT544	TWT545	TWT546
<u>tws</u>	TW220	TW127	TW219	TW218	TW217	TW216	TW215
<u>stp</u>	Strop_3909	Strop_3910	Strop_3911	Strop_3912	Strop_3913	Strop_3914	Strop_3915
<u>amr</u>	AM1_4709	AM1_4065	AM1_4708	AM1_4707	AM1_4706	AM1_4705	AM1_4704
<u>car</u>	cauri_0428	cauri_0820	cauri_0424	cauri_0423	cauri_0422	cauri_0398	cauri_0397
<u>sgr</u>	SGR_2820	SGR_2821	SGR_2822	SGR_2823	SGR_2824	SGR_2825	SGR_2826
<u>glo</u>	Glov_1360	Glov_1359	Glov_1358	Glov_1357	Glov_1356	Glov_1355	Glov_1354
<u>syp</u>	SYNPCC7002_A10	SYNPCC7002_A03	SYNPCC7002_A10	SYNPCC7002_A10	SYNPCC7002_A10	SYNPCC7002_A10	SYNPCC7002_A10
	52	91	53	54	55	56	57
<u>dev</u>	DhcVS_430	DhcVS_429a	DhcVS_429	DhcVS_428	DhcVS_427	DhcVS_426	DhcVS_425
<u>ele</u>	Elen_2164	Elen_2165	Elen_2166	Elen_2167	Elen_2168	Elen_2169	Elen_2170
<u>deh</u>	cbdb_A452	cbdb_B14	cbdb_A451	cbdb_A450	cbdb_A449	cbdb_A448	cbdb_A447
<u>aca</u>	ACP_1437	ACP_1438	ACP_1439	ACP_1440	ACP_1441	ACP_1442	ACP_1443
<u>sus</u>	Acid_5104	Acid_5105	Acid_5106	Acid_5107	Acid_5108	Acid_5109	Acid_5110
<u>det</u>	DET0488	DET0487	DET0486	DET0485	DET0484	DET0483	DET0482

<u>deb</u>	DehaBAV1_0465	DehaBAV1_0464	DehaBAV1_0463	DehaBAV1_0462	DehaBAV1_0461	DehaBAV1_0460	DehaBAV1_0459
<u>deg</u>	DehalGT_0428	DehalGT_0427	DehalGT_0426	DehalGT_0425	DehalGT_0424	DehalGT_0423	DehalGT_0422
<u>cgt</u>	cgR_0636	cgR_0981	cgR_0622	cgR_0621	cgR_0620	cgR_0617	cgR_0616
<u>cgb</u>	cg0628	cg0989	cg0610	cg0609	cg0608	cg0604	cg0603
<u>bcv</u>	Bcav_3129	Bcav_3130	Bcav_3131	Bcav_3132	Bcav_3133	Bcav_3134	Bcav_3135
<u>cgl</u>	NCgl0515	NCgl0832	NCgl0501	NCgl0500	NCgl0499	NCgl0496	NCgl0495
<u>str</u>	Sterm_3981	Sterm_3982	Sterm_3983	Sterm_3984	Sterm_3985	Sterm_3986	Sterm_3987
<u>mar</u>	MAE_57300	MAE_53380	MAE_57310	MAE_57320	MAE_57330	MAE_57340	MAE_57350
<u>nml</u>	Namu_1137	Namu_1136	Namu_1135	Namu_1134	Namu_1133	Namu_1132	Namu_1131
<u>dol</u>	Dole_0722	Dole_0721	Dole_0720	Dole_0719	Dole_0718	Dole_0717	Dole_0716
<u>ava</u>	Ava_0704	Ava_1732	Ava_0703	Ava_0702	Ava_0701	Ava_0700	Ava_0699
<u>pca</u>	Pcar_0715	Pcar_0714	Pcar_0713	Pcar_0712	Pcar_0711	Pcar_0710	Pcar_0709
<u>cyu</u>	UCYN_10400	UCYN_04550	UCYN_10390	UCYN_10380	UCYN_10370	UCYN_10360	UCYN_10350
<u>scl</u>	sce7949	sce7950	sce7951	sce7952	sce7953	sce7954	sce7955
<u>ccu</u>	Ccur_09860	Ccur_09870	Ccur_09880	Ccur_09890	Ccur_09900	Ccur_09910	Ccur_09920
<u>dal</u>	Dalk_1901	Dalk_1902	Dalk_1903	Dalk_1904	Dalk_1905	Dalk_1906	Dalk_1907
<u>ana</u>	all4202	all3969	all4203	asl4204	all4205	asl4206	asl4207
<u>smf</u>	Smon_1271	Smon_1272	Smon_1273	Smon_1274	Smon_1275	Smon_1276	Smon_1277
<u>pcu</u>	pc0425	pc1606	pc0424	pc0423	pc0422	pc0421	
<u>cyc</u>	PCC7424_3716	PCC7424_2822	PCC7424_3715	PCC7424_3714	PCC7424_3713	PCC7424_3712	PCC7424_3711
<u>bfa</u>	Bfae_23660	Bfae_23670	Bfae_23680	Bfae_23690	Bfae_23700	Bfae_23720	Bfae_23730
<u>aba</u>	Acid345_1240	Acid345_1239	Acid345_1238	Acid345_1237	Acid345_1236	Acid345_1235	Acid345_1234
<u>emi</u>	Emin_1404	Emin_1405	Emin_1406	Emin_1407	Emin_1408	Emin_1409	Emin_1410
<u>aas</u>	Aasi_0183	Aasi_0184	Aasi_0185	Aasi_0186	Aasi_0187	Aasi_0188	Aasi_0189
<u>cyp</u>	PCC8801_0239	PCC8801_1588	PCC8801_0240	PCC8801_0241	PCC8801_0242	PCC8801_0243	PCC8801_0244
<u>cyh</u>	Cyan8802_0236	Cyan8802_1613	Cyan8802_0237	Cyan8802_0238	Cyan8802_0239	Cyan8802_0240	Cyan8802_0241
<u>rmr</u>	Rmar_0856	Rmar_0855	Rmar_0854	Rmar_0853	Rmar_0852	Rmar_0851	Rmar_0850
<u>hau</u>	Haur_4928	Haur_4927	Haur_4926	Haur_4925	Haur_4924	Haur_4923	<u>Maur_5050</u>
<u>blj</u>	BLJ_1738	BLJ_1739	BLJ_1740	BLJ_1741	BLJ_1742	BLJ_1743	BLJ_1744
<u>ttj</u>	TTHA1678	TTHA1679	TTHA1680	TTHA1681	TTHA1682	TTHA1683	TTHA1684
<u>mx</u>	MXAN_3313	MXAN_3312	MXAN_3311	MXAN_3310	MXAN_3309	MXAN_3308	MXAN_3307
<u>cyt</u>	cce_4028	cce_0081	cce_4027	cce_4025	cce_4024	cce_4023	cce_4022
<u>bln</u>	Blon_2223	Blon_2224	Blon_2225	Blon_2226	Blon_2227	Blon_2228	Blon_2229

<u>blo</u>	BL1594	BL1593	BL1592	BL1591	BL1590	BL1589	BL1588
<u>tth</u>	TTC1314	TTC1315	TTC1316	TTC1317	TTC1318	TTC1319	TTC1320
<u>cya</u>	CYA_1165	CYA_1114	CYA_1166	CYA_1167	CYA_1168	CYA_1169	CYA_1170
<u>bad</u>	BAD_0335	BAD_0334	BAD_0333	BAD_0332	BAD_0331	BAD_0330	BAD_0329
<u>bde</u>	BDP_0445	BDP_0444	BDP_0443	BDP_0442	BDP_0441	BDP_0440	BDP_0439
<u>aav</u>	Aave_0615	Aave_0614	Aave_0613	Aave_0612	Aave_0611	Aave_0347	Aave_0346
<u>blc</u>	Balac_0396	Balac_0395	Balac_0394	Balac_0393	Balac_0392	Balac_0391	Balac_0390
<u>pdi</u>	BDI_2366	BDI_2367	BDI_2368	BDI_2369	BDI_2370	BDI_2371	BDI_2372
<u>bla</u>	BLA_0376	BLA_0375	BLA_0374	BLA_0373	BLA_0372	BLA_0371	BLA_0370
<u>cpi</u>	Cpin_1629	Cpin_1628	Cpin_1627	Cpin_1626	Cpin_1625	Cpin_1624	Cpin_1623
<u>blt</u>	Balat_0396	Balat_0395	Balat_0394	Balat_0393	Balat_0392	Balat_0391	Balat_0390
<u>zpr</u>	ZPR_3861	ZPR_3862	ZPR_3863	ZPR_3864	ZPR_3865	ZPR_3866	ZPR_3867
<u>pmz</u>	HMPREF0659_A5 329	HMPREF0659_A5 328	HMPREF0659_A5 327	HMPREF0659_A5 326	HMPREF0659_A5 325	HMPREF0659_A5 324	HMPREF0659_A5 323
<u>yps</u>	YPTB3684	YPTB3685	YPTB3686	YPTB3687	YPTB3688	YPTB3689	YPTB3690
<u>ypp</u>	YPDSF_0147	YPDSF_0146	YPDSF_0145	YPDSF_0144	YPDSF_0143	YPDSF_0142	YPDSF_0141
<u>ype</u>	YPO0223	YPO0222a	YPO0222	YPO0221	YPO0220	YPO0219	YPO0218
<u>etr</u>	ETAE_3216	ETAE_3217	ETAE_3218	ETAE_3219	ETAE_3220	ETAE_3221	ETAE_3222
<u>ypy</u>	YPK_0297	YPK_0296	YPK_0295	YPK_0294	YPK_0293	YPK_0292	YPK_0291
<u>ypg</u>	YpAngola_A0597	YpAngola_A0596	YpAngola_A0595	YpAngola_A0594	YpAngola_A0593		YpAngola_A0592
<u>ypa</u>	YPA_3249	YPA_3250	YPA_3251	YPA_3252	YPA_3253	YPA_3254	YPA_3255
<u>ypn</u>	YPN_3845	YPN_3846	YPN_3847	YPN_3848	YPN_3849	YPN_3850	YPN_3851
<u>ypz</u>	YPZ3_0190	YPZ3_0189	YPZ3_0188	YPZ3_0187	YPZ3_0186		
<u>ypk</u>	y4003	y4002	y4001	y4000	y3999		y3998
<u>ypb</u>	YPTS_3876	YPTS_3877	YPTS_3878	YPTS_3879	YPTS_3880	YPTS_3881	YPTS_3882
<u>ypi</u>	YpsIP31758_3900	YpsIP31758_3901	YpsIP31758_3902	YpsIP31758_3903	YpsIP31758_3904	YpsIP31758_3906	YpsIP31758_3907
<u>ypm</u>	YP_0221	YP_0220	YP_0219	YP_0218	YP_0217	YP_0216	YP_0215
<u>eic</u>	NT01EI_3580	NT01EI_3581	NT01EI_3582	NT01EI_3583	NT01EI_3584	NT01EI_3585	NT01EI_3586
<u>enc</u>	ECL_04683	ECL_04684	ECL_04685	ECL_04686	ECL_04687	ECL_04688	ECL_04689
<u>syn</u>	sll1809	sll0628	sll1808	sll1807	sll1806	ssl3437	ssl3436
<u>gva</u>	HMPREF0424_026 5	HMPREF0424_026 4a	HMPREF0424_026 4	HMPREF0424_026 3			HMPREF0424_026 2

<u>yen</u>	YE3909	YE3910	YE3911	YE3912	YE3913	YE3914	YE3915
<u>aps</u>	CFPG_080	CFPG_081	CFPG_082	CFPG_083	CFPG_084	CFPG_085	CFPG_086
<u>blj</u>	BLD_1721	BLD_1720	BLD_1719	BLD_1718	BLD_1717	BLD_1716	BLD_1715
<u>pmi</u>	PMT9312_1637	PMT9312_1291	PMT9312_1638	PMT9312_1639	PMT9312_1640	PMT9312_1641	PMT9312_1642
<u>spe</u>	Spro_4530	Spro_4531	Spro_4532	Spro_4533	Spro_4534	Spro_4535	Spro_4536
<u>tro</u>	trd_0971		trd_0972	trd_0973	trd_0974	trd_0975	trd_0976
<u>pmb</u>	A9601_17521	A9601_13831	A9601_17531	A9601_17541	A9601_17551	A9601_17561	A9601_17571
<u>cat</u>	CA2559_05790	CA2559_05785	CA2559_05780	CA2559_05775	CA2559_05770	CA2559_05760	CA2559_05755
<u>bps</u>	BPSL3199	BPSL3200	BPSL3201	BPSL3202	BPSL3203	BPSL3204	BPSL3205
<u>bpd</u>	BURPS668_3732	BURPS668_3733	BURPS668_3734	BURPS668_3735	BURPS668_3736	BURPS668_3737	BURPS668_3738
<u>bmh</u>	BMA10247_3492	BMA10247_3491	BMA10247_3490	BMA10247_3489	BMA10247_3488	BMA10247_3487	BMA10247_3486
<u>bml</u>	BMA10229_A1938	BMA10229_A1937	BMA10229_A1936	BMA10229_A1935	BMA10229_A1934	BMA10229_A1933	BMA10229_A1932
<u>bmw</u>	BMASAVP1_A315	BMASAVP1_A315	BMASAVP1_A315	BMASAVP1_A315	BMASAVP1_A315	BMASAVP1_A316	BMASAVP1_A316
	5	6	7	8	9	0	1
<u>bpm</u>	BURPS1710b_376	BURPS1710b_376	BURPS1710b_376	BURPS1710b_376	BURPS1710b_376	BURPS1710b_376	BURPS1710b_376
	2	3	4	5	6	7	8
<u>bpl</u>	BURPS1106A_379	BURPS1106A_379	BURPS1106A_379	BURPS1106A_379	BURPS1106A_379	BURPS1106A_379	BURPS1106A_379
	0	1	2	3	4	5	6
<u>bpr</u>	GBP346_A3917	GBP346_A3918	GBP346_A3919	GBP346_A3920	GBP346_A3921	GBP346_A3922	GBP346_A3923
<u>ctu</u>	Ctu_38330	Ctu_38340	Ctu_38350	Ctu_38360	Ctu_38370	Ctu_38380	Ctu_38390
<u>bma</u>	BMA2618	BMA2619	BMA2620	BMA2621	BMA2622	BMA2623	BMA2624
<u>bte</u>	BTH_I3054	BTH_I3055	BTH_I3056	BTH_I3057	BTH_I3058	BTH_I3059	BTH_I3060
<u>msv</u>	Mesil_2893	Mesil_2894	Mesil_2895	Mesil_2896	Mesil_2897	Mesil_2898	Mesil_2899
<u>bap</u>	BUAP5A_503	BUAP5A_504	BUAP5A_505	BUAP5A_506	BUAP5A_507	BUAP5A_508	BUAP5A_509
<u>buc</u>	BU510	BU511	BU512	BU513	BU514	BU515	BU516
<u>pmx</u>	PERMA_1210	PERMA_1209	PERMA_1208	PERMA_1207	PERMA_1206	PERMA_1205	PERMA_1204
<u>apv</u>	Apar_1147	Apar_1148	Apar_1149	Apar_1150	Apar_1151	Apar_1152	Apar_1153
<u>sli</u>	Slin_5773	Slin_5774	Slin_5775	Slin_5776	Slin_5777	<u>Slin_5778</u>	Slin_5779
<u>eca</u>	ECA4017	ECA4018	ECA4019	ECA4020	ECA4021	ECA4022	ECA4023
<u>bau</u>	BUAPTUC7_504	BUAPTUC7_505	BUAPTUC7_506	BUAPTUC7_507	BUAPTUC7_508	BUAPTUC7_509	BUAPTUC7_510
<u>pru</u>	PRU_2101	PRU_2102	PRU_2103	PRU_2104	PRU_2105	PRU_2106	PRU_2107
<u>esa</u>	ESA_00020	ESA_00019	ESA_00018	ESA_00016	ESA_00015	ESA_00014	ESA_00013

<u>cyb</u>	CYB_2610	CYB_1362	CYB_2609	CYB_2608	CYB_2607	CYB_2606	CYB_2605
<u>mrub</u>	Mrub_2605	Mrub_2606	Mrub_2607	Mrub_2608	Mrub_2609	Mrub_2610	Mrub_2611
<u>rsd</u>	TGRD_096	TGRD_095	TGRD_094	TGRD_093	TGRD_092	TGRD_091	TGRD_090
<u>gvi</u>	gvip521	gvip522	gvip523	gvip524	gvip525	gvip526	gvip527
<u>bmub</u>	Bmul_0263	Bmul_0262	Bmul_0261	Bmul_0260	Bmul_0259	Bmul_0258	Bmul_0257
<u>bmj</u>	BMULJ_02991	BMULJ_02992	BMULJ_02993	BMULJ_02994	BMULJ_02995	BMULJ_02996	BMULJ_02997
<u>pct</u>	PC1_3808	PC1_3809	PC1_3810	PC1_3811	PC1_3812	PC1_3813	PC1_3814
<u>pwa</u>	Pecwa_3987	Pecwa_3988	Pecwa_3989	Pecwa_3990	Pecwa_3991	Pecwa_3992	Pecwa_3993
<u>kpn</u>	KPN_03705	KPN_03706	KPN_03707	KPN_03708	KPN_03709	KPN_03710	KPN_03711
<u>kpu</u>	KP1_5027	KP1_5028	KP1_5029	KP1_5030	KP1_5031	KP1_5033	KP1_5034
<u>api</u>	APJL_1809	APJL_1808	APJL_1807	APJL_1806	APJL_1805	APJL_1804	APJL_1803
<u>apa</u>	APP7_1859	APP7_1858	APP7_1857	APP7_1856	APP7_1855	APP7_1854	APP7_1853
<u>tpa</u>	TP0203	TP0202	TP0201	TP0200	TP0199	TP0198	TP0197
<u>cro</u>	ROD_45161	ROD_45151	ROD_45141	ROD_45131	ROD_45112	ROD_45111	ROD_45101
<u>tp</u>	TPASS_0203	TPASS_0202	TPASS_0201	TPASS_0200	TPASS_0199	TPASS_0198	TPASS_0197
<u>apl</u>	APL_1773	APL_1772	APL_1771	APL_1770		APL_1769	APL_1768
<u>pmh</u>	P9215_18161	P9215_14041	P9215_18171	P9215_18181	P9215_18191	P9215_18201	P9215_18211
<u>wch</u>	wcw_1489	wcw_0803	wcw_1490	wcw_1491	wcw_1492	wcw_1493	wcw_1494
<u>coc</u>	Coch_1161	Coch_1160	Coch_1159	Coch_1158	Coch_1157	Coch_1156	Coch_1155
<u>pmg</u>	P9301_17361	P9301_13911	P9301_17371	P9301_17381	P9301_17391	P9301_17401	P9301_17411
<u>plm</u>	Plim_0491	Plim_0490	Plim_0489	Plim_0488	Plim_0487	Plim_0486	Plim_0485
<u>fba</u>	FIC_02007	FIC_02008	FIC_02009	FIC_02010	FIC_02011	FIC_02012	FIC_02013
<u>bph</u>	Bphy_2825	Bphy_2826	Bphy_2827	Bphy_2828	Bphy_2829	Bphy_2831	Bphy_2832
<u>lba</u>	Lebu_0253	Lebu_0252	Lebu_0251	Lebu_0250	Lebu_0249	Lebu_0248	Lebu_0247
<u>bgl</u>	bglu_1g02720	bglu_1g02710	bglu_1g02700	bglu_1g02690	bglu_1g02680	bglu_1g02670	bglu_1g02660
<u>bcn</u>	Bcen_2745	Bcen_2746	Bcen_2747	Bcen_2748	Bcen_2749	Bcen_2750	Bcen_2751
<u>sd</u>	SDY_3482	SDY_3483	SDY_3484	SDY_3485	SDY_3486	SDY_3487	SDY_3488
<u>seg</u>	SG4013	SG4012	SG4011	SG4010	SG4009	SG4008	SG4007
<u>stm</u>	STM3426	STM3427.S	STM3428	STM3429	STM3430	STM3431	STM3432
<u>ssn</u>	SSON_3447	SSON_3448	SSON_3449	SSON_3450	SSON_3451	SSON_3452	SSON_3453
<u>sfx</u>	S4424	S4423	S4422	S4421	S4420	S4419	S4418
<u>eam</u>	ECUMN_3779	ECUMN_3780	ECUMN_3781	ECUMN_3782	ECUMN_3783	ECUMN_3784	ECUMN_3785
<u>bch</u>	Bcen2424_0362	Bcen2424_0361	Bcen2424_0360	Bcen2424_0359	Bcen2424_0358	Bcen2424_0357	Bcen2424_0356

<u>ecm</u>	EcSMS35_3601	EcSMS35_3602	EcSMS35_3603	EcSMS35_3604	EcSMS35_3605	EcSMS35_3606	EcSMS35_3607
<u>spq</u>	SPAB_04267	SPAB_04268	SPAB_04269	SPAB_04270	SPAB_04271	SPAB_04272	SPAB_04273
<u>ecj</u>	JW3268	JW3269	JW3270	JW3271	JW3272	JW3273	JW3274
<u>ecz</u>	ECS88_3693	ECS88_3694	ECS88_3695	ECS88_3696	ECS88_3697	ECS88_3698	ECS88_3699
<u>sew</u>	SeSA_A3622	SeSA_A3623	SeSA_A3624	SeSA_A3625	SeSA_A3626	SeSA_A3627	SeSA_A3628
<u>bvi</u>	Bcep1808_0344	Bcep1808_0343	Bcep1808_0342	Bcep1808_0341	Bcep1808_0340	Bcep1808_0339	Bcep1808_0338
<u>stt</u>	t4079	t4078	t4077	t4076	t4075	t4074	t4073
<u>ecf</u>	ECH74115_4629	ECH74115_4630	ECH74115_4631	ECH74115_4632	ECH74115_4633	ECH74115_4634	ECH74115_4635
<u>ebr</u>	ECB_03157	ECB_03158	ECB_03159	ECB_03160	ECB_03161	ECB_03162	ECB_03163
<u>eoH</u>	ECO103_4038	ECO103_4039	ECO103_4040	ECO103_4041	ECO103_4042	ECO103_4043	ECO103_4044
<u>set</u>	SEN3254	SEN3255	SEN3256	SEN3257	SEN3258	SEN3259	SEN3260
<u>eck</u>	EC55989_3722	EC55989_3723	EC55989_3724	EC55989_3725	EC55989_3726	EC55989_3727	EC55989_3728
<u>ect</u>	ECIAI39_3800	ECIAI39_3801	ECIAI39_3802	ECIAI39_3803	ECIAI39_3804	ECIAI39_3805	ECIAI39_3806
<u>bam</u>	Bamb_0281	Bamb_0280	Bamb_0279	Bamb_0278	Bamb_0277	Bamb_0276	Bamb_0275
<u>sek</u>	SSPA3071	SSPA3072	SSPA3073	SSPA3074	SSPA3075	SSPA3076	SSPA3077
<u>ecd</u>	ECDH10B_3481	ECDH10B_3482	ECDH10B_3483	ECDH10B_3484	ECDH10B_3485	ECDH10B_3486	ECDH10B_3487
<u>seh</u>	SeHA_C3730	SeHA_C3731	SeHA_C3732	SeHA_C3733	SeHA_C3734	SeHA_C3735	SeHA_C3736
<u>etw</u>	ECSP_4277	ECSP_4278	ECSP_4279	ECSP_4280	ECSP_4281	ECSP_4282	ECSP_4283
<u>ecv</u>	APECO1_3143	APECO1_3142	APECO1_3141	APECO1_3140	APECO1_3139	APECO1_3138	
<u>sed</u>	SeD_A3793	SeD_A3794	SeD_A3795	SeD_A3796	SeD_A3797	SeD_A3798	SeD_A3799
<u>eoI</u>	ECO111_4127	ECO111_4128	ECO111_4129	ECO111_4130	ECO111_4131	ECO111_4132	ECO111_4133
<u>ecr</u>	ECIAI1_3455	ECIAI1_3456	ECIAI1_3457	ECIAI1_3458	ECIAI1_3459	ECIAI1_3460	ECIAI1_3461
<u>cko</u>	CKO_04720	CKO_04721	CKO_04722	CKO_04723	CKO_04724	CKO_04725	CKO_04726
<u>pmm</u>	PMM1545	PMM1190	PMM1546	PMM1547	PMM1548	PMM1549	PMM1550
<u>sea</u>	SeAg_B3622	SeAg_B3623	SeAg_B3624	SeAg_B3625	SeAg_B3626	SeAg_B3627	SeAg_B3628
<u>eok</u>	G2583_4024	G2583_4025	G2583_4026	G2583_4027	G2583_4028	G2583_4029	G2583_4030
<u>ebd</u>	ECBD_0445	ECBD_0444	ECBD_0443	ECBD_0442	ECBD_0441	ECBD_0440	ECBD_0439
<u>ecw</u>	EcE24377A_3789	EcE24377A_3790	EcE24377A_3791	EcE24377A_3792	EcE24377A_3793	EcE24377A_3794	EcE24377A_3795
<u>ecg</u>	E2348C_3569	E2348C_3570	E2348C_3571	E2348C_3572	E2348C_3573	E2348C_3574	E2348C_3575
<u>ecp</u>	ECP_3394	ECP_3395	ECP_3396	ECP_3397	ECP_3398	ECP_3399	ECP_3400
<u>bcm</u>	Bcenmc03_0341	Bcenmc03_0340	Bcenmc03_0339	Bcenmc03_0338	Bcenmc03_0337	Bcenmc03_0336	Bcenmc03_0335
<u>dfc</u>	Dfer_4357	Dfer_4356	Dfer_4355	Dfer_4354	Dfer_4353	Dfer_4352	Dfer_4351
<u>ece</u>	Z4676	Z4677	Z4678	Z4679	Z4680	Z4681	Z4683

<u>sec</u>	SC3360	SC3361	SC3362	SC3363	SC3364	SC3365	SC3366
<u>ecy</u>	ECSE_3581	ECSE_3582	ECSE_3583	ECSE_3584	ECSE_3585	ECSE_3586	ECSE_3587
<u>eci</u>	UTI89_C3755	UTI89_C3756	UTI89_C3757	UTI89_C3758	UTI89_C3760	UTI89_C3761	UTI89_C3762
<u>sbc</u>	SbBS512_E3691	SbBS512_E3692	SbBS512_E3693	SbBS512_E3694	SbBS512_E3695	SbBS512_E3696	SbBS512_E3697
<u>ecc</u>	c4070	c4071	c4072	c4073	c4075	c4076	c4077
<u>see</u>	SNSL254_A3695	SNSL254_A3696	SNSL254_A3697	SNSL254_A3698	SNSL254_A3699	SNSL254_A3700	SNSL254_A3701
<u>sbo</u>	SBO_3300	SBO_3301	SBO_3302	SBO_3303	SBO_3304	SBO_3305	SBO_3306
<u>bcj</u>	BCAL0248	BCAL0247	BCAL0246	BCAL0245	BCAL0244	BCAL0243	BCAL0242
<u>ebw</u>	BWG_2997	BWG_2998	BWG_2999	BWG_3000	BWG_3001	BWG_3002	BWG_3003
<u>ecl</u>	EcolC_0407	EcolC_0406	EcolC_0405	EcolC_0404	EcolC_0403	EcolC_0402	EcolC_0401
<u>sty</u>	STY4372	STY4371	STY4370	STY4369	STY4368	STY4367	STY4366
<u>ecs</u>	ECs4171	ECs4172	ECs4173	ECs4174	ECs4175	ECs4176	ECs4177
<u>sfl</u>	SF3338	SF3339	SF3340	SF3341	SF3342	SF3343	SF3344
<u>spt</u>	SPA3292	SPA3293	SPA3294	SPA3295	SPA3296	SPA3297	SPA3298
<u>ecq</u>	ECED1_3969	ECED1_3970	ECED1_3971	ECED1_3972	ECED1_3973	ECED1_3974	ECED1_3975
<u>efe</u>	EFER_3289	EFER_3290	EFER_3291	EFER_3292	EFER_3293	EFER_3294	EFER_3295
<u>ecx</u>	EcHS_A3500	EcHS_A3501	EcHS_A3502	EcHS_A3503	EcHS_A3504	EcHS_A3505	EcHS_A3506
<u>sfv</u>	SFV_3326	SFV_3327	SFV_3328	SFV_3329	SFV_3330	SFV_3331	SFV_3332
<u>ej</u>	ECO26_4408	ECO26_4409	ECO26_4410	ECO26_4411	ECO26_4412	ECO26_4413	ECO26_4414
<u>bac</u>	BamMC406_0290	BamMC406_0289	BamMC406_0288	BamMC406_0287	BamMC406_0286	BamMC406_0285	BamMC406_0284
<u>eco</u>	b3306	b3307	b3308	b3309	b3310	b3311	b3312
<u>ddc</u>	Dd586_3722	Dd586_3723	Dd586_3724	Dd586_3725	Dd586_3726	Dd586_3727	Dd586_3728
<u>pml</u>	ATP_00355	ATP_00354	ATP_00353	ATP_00352	ATP_00351	ATP_00350	ATP_00349
<u>ols</u>	Olsu_1595	Olsu_1596	Olsu_1597	Olsu_1599	Olsu_1600	Olsu_1601	Olsu_1602
<u>dze</u>	Dd1591_0337	Dd1591_0336	Dd1591_0335	Dd1591_0334	Dd1591_0333	Dd1591_0332	Dd1591_0331
<u>fal</u>	FRAAL1095	FRAAL1094	FRAAL1093	FRAAL1092	FRAAL1091	FRAAL1090	FRAAL1089
<u>kva</u>	Kvar_0397	Kvar_0396	Kvar_0395	Kvar_0394	Kvar_0393	Kvar_0392	Kvar_0391
<u>ddd</u>	Dda3937_01505	Dda3937_04411	Dda3937_01504	Dda3937_04715	Dda3937_01503	Dda3937_01502	Dda3937_01501
<u>kko</u>	Kkor_0451	Kkor_0450	Kkor_0449	Kkor_0448	Kkor_0447	Kkor_0446	Kkor_0445
<u>kpe</u>	KPK_0412	KPK_0411	KPK_0410	KPK_0409			KPK_0408
<u>cms</u>	CMS_0296	CMS_3070	CMS_0295	CMS_0294	CMS_0293	CMS_0292	CMS_0291
<u>syr</u>	SynRCC307_2129	SynRCC307_0545	SynRCC307_2128	SynRCC307_2127	SynRCC307_2126	SynRCC307_2125	SynRCC307_2124

<u>hoh</u>	Hoch_3991	Hoch_3992	Hoch_3993	Hoch_3015	Hoch_3995	Hoch_3996	Hoch_3997
<u>bpy</u>	Bphyt_3630	Bphyt_3631	Bphyt_3632	Bphyt_3633	Bphyt_3634	Bphyt_3635	Bphyt_3636
<u>sgl</u>	SG2264	SG2265	SG2266	SG2267	SG2268	SG2269	SG2270
<u>pam</u>	PANA_3608	PANA_3609	PANA_3610	PANA_3611	PANA_3612	PANA_3613	PANA_3614
<u>ent</u>	Ent638_3737	Ent638_3738	Ent638_3739	Ent638_3740	Ent638_3741	Ent638_3742	Ent638_3743
<u>bxe</u>	Bxe_A0328	Bxe_A0327	Bxe_A0326	Bxe_A0325	Bxe_A0324	Bxe_A0323	Bxe_A0322
<u>gfo</u>	GFO_2825	GFO_2826	GFO_2827	GFO_2828	GFO_2829	GFO_2830	GFO_2831
<u>mcp</u>	MCAP_0682	MCAP_0683	MCAP_0684	MCAP_0685	MCAP_0686	MCAP_0687	MCAP_0688
<u>xbo</u>	XBJ1_4227	XBJ1_4228	XBJ1_4229	XBJ1_4230	XBJ1_4231	XBJ1_4232	XBJ1_4233
<u>swd</u>	Swoo_4676	Swoo_4677	Swoo_4678	Swoo_4679	Swoo_4680	Swoo_4681	Swoo_4682
<u>vei</u>	Veis_2311	Veis_2312	Veis_2313	Veis_2314	Veis_2315	Veis_1273	Veis_1272
<u>sei</u>	SPC_3495	SPC_3496	SPC_3497	SPC_3498	SPC_3499	SPC_3500	SPC_3501
<u>ses</u>	SARI_04203	SARI_04202	SARI_04201	SARI_04200	SARI_04199	SARI_04198	SARI_04197
<u>hap</u>	HAPS_1440	HAPS_1441	HAPS_1442	HAPS_1443	HAPS_1444	HAPS_1615	HAPS_1614
<u>bur</u>	Bcep18194_A3461	Bcep18194_A3460	Bcep18194_A3459	Bcep18194_A3458	Bcep18194_A3457	Bcep18194_A3456	Bcep18194_A3455
<u>mms</u>	mma_3397	mma_3398	mma_3399	mma_3400	mma_3401	mma_3402	mma_3403
<u>fps</u>	FP1325	FP1326	FP1327	FP1328	FP1329	FP1330	FP1331
<u>phe</u>	Phep_0616	Phep_0615	Phep_0614	Phep_0613	Phep_0612	Phep_0611	Phep_0610
<u>rso</u>	RSc3005	RSc3006	RSc3007	RSc3008	RSc3009	RSc3010	RSc3011
<u>dac</u>	Daci_1036	Daci_1035	Daci_1034	Daci_1033	Daci_1032	Daci_0400	Daci_0399
<u>mfl</u>	Mfl137	Mfl136	Mfl135	Mfl134	Mfl133	Mfl132	Mfl131
<u>xne</u>	XNC1_0332	XNC1_0331	XNC1_0330	XNC1_0329	XNC1_0328	XNC1_0327	XNC1_0326
<u>saz</u>	Sama_0227	Sama_0226	Sama_0225	Sama_0224	Sama_0223	Sama_0222	Sama_0221
<u>pgn</u>	PGN_1854	PGN_1855	PGN_1856	PGN_1857	PGN_1858	PGN_1859	PGN_1860
<u>nmu</u>	Nmul_A0781	Nmul_A0780	Nmul_A0779	Nmul_A0778	Nmul_A0777	Nmul_A0776	Nmul_A0775
<u>pmc</u>	P9515_17271	P9515_13621	P9515_17281	P9515_17291	P9515_17301	P9515_17311	P9515_17321
<u>pgi</u>	PG1924	PG1925	PG1926	PG1927	PG1928	PG1929	PG1930
<u>har</u>	HEAR3152	HEAR3153	HEAR3154	HEAR3155	HEAR3156	HEAR3157	HEAR3158
<u>sfr</u>	Sfri_0162	Sfri_0161	Sfri_0160	Sfri_0159	Sfri_0158	Sfri_0157	Sfri_0156
<u>hdu</u>	HD1964	HD1965	HD1966	HD1967	HD1968	HD1974	HD1975
<u>net</u>	Neut_0572	Neut_0571	Neut_0570	Neut_0569	Neut_0568	Neut_0567	
<u>dda</u>	Dd703_0419	Dd703_0418	Dd703_0417	Dd703_0416	Dd703_0415	Dd703_0414	Dd703_0413



<u>mmy</u>	MSC_0731		MSC_0732	MSC_0734	MSC_0735	MSC_0736	MSC_0737
<u>bpi</u>	BPLAN_385	BPLAN_386	BPLAN_387	BPLAN_388	BPLAN_389	BPLAN_390	BPLAN_391
<u>plu</u>	plu4712	plu4713	plu4714	plu4715	plu4716	plu4717	plu4718
<u>tcx</u>	Tcr_0309	Tcr_0308	Tcr_0307	Tcr_0306	Tcr_0305	Tcr_0304	Tcr_0303
<u>fjo</u>	Fjoh_0383	Fjoh_0384	Fjoh_0385	Fjoh_0386	Fjoh_0387	Fjoh_0388	Fjoh_0389
<u>ebi</u>	EbC_41160	EbC_41170	EbC_41180	EbC_41190	EbC_41200	EbC_41210	EbC_41220
<u>aap</u>	NT05HA_2179	NT05HA_2178	NT05HA_2177	NT05HA_2176	NT05HA_2175	NT05HA_2173	NT05HA_2172
<u>rsl</u>	RPSI07_0493	RPSI07_0492	RPSI07_0491	RPSI07_0490	RPSI07_0489	RPSI07_0488	RPSI07_0487
<u>ctt</u>	CtCNB1_4439	CtCNB1_4440	CtCNB1_4441	CtCNB1_4442	CtCNB1_4443	CtCNB1_0315	CtCNB1_0314
<u>rpi</u>	Rpic_3283	Rpic_3284	Rpic_3285	Rpic_3286	Rpic_3287	Rpic_3288	Rpic_3289
<u>tde</u>	TDE0781	TDE0780	TDE0779	TDE0778	TDE0777	TDE0776	TDE0775
<u>rpf</u>	Rpic12D_2936	Rpic12D_2937	Rpic12D_2938	Rpic12D_2939	Rpic12D_2940	Rpic12D_2941	Rpic12D_2942
<u>shl</u>	Shal_4120	Shal_4121	Shal_4122	Shal_4123	Shal_4124	Shal_4125	Shal_4126
<u>bge</u>	BC1002_2883	BC1002_2884	BC1002_2885	BC1002_2886	BC1002_2887	BC1002_2888	BC1002_2889
<u>rsc</u>	RCFBP_10445	RCFBP_10444	RCFBP_10443	RCFBP_10442	RCFBP_10441	RCFBP_10440	RCFBP_10439
<u>neu</u>	NE0415	NE0414	NE0413	NE0412	NE0411	NE0410	NE0409
<u>eta</u>	ETA_31490	ETA_31500	ETA_31510	ETA_31520	ETA_31530	ETA_31540	ETA_31550
<u>pmr</u>	PMI3269	PMI3268	PMI3267	PMI3266	PMI3265	PMI3264	PMI3263
<u>nhl</u>	Nhal_2399	Nhal_2398	Nhal_2397	Nhal_2396	Nhal_2395	Nhal_2394	Nhal_2393
<u>rme</u>	Rmet_3303	Rmet_3304	Rmet_3305	Rmet_3306	Rmet_3307	Rmet_3308	Rmet_3309
<u>svo</u>	SVI_4148	SVI_4149	SVI_4150	SVI_4151	SVI_4152	SVI_4153	SVI_4154
<u>sat</u>	SYN_03316	SYN_03315	SYN_03314	SYN_03313	SYN_03257	SYN_03256	SYN_00993
<u>pat</u>	Patl_1003	Patl_1002	Patl_1001	Patl_1000	Patl_0999	Patl_0478	Patl_0477
<u>eam</u>	EAMY_3372	EAMY_3373	EAMY_3374	EAMY_3375	EAMY_3376	EAMY_3377	EAMY_3378
<u>epy</u>	EpC_33600	EpC_33610	EpC_33620	EpC_33630	EpC_33640	EpC_33650	EpC_33660
<u>pmu</u>	PM1401	PM1402	PM1403	PM1404	PM1405	PM1406	PM1407
<u>fbc</u>	FB2170_02450	FB2170_02455	FB2170_02460	FB2170_02465	FB2170_02470	FB2170_02475	FB2170_02480
<u>bvu</u>	BVU_0791	BVU_0792	BVU_0793	BVU_0794	BVU_0795	BVU_0796	BVU_0797
<u>sse</u>	Ssed_4303	Ssed_4304	Ssed_4305	Ssed_4306	Ssed_4307	Ssed_4308	Ssed_4309
<u>pay</u>	PAU_04202	PAU_04203	PAU_04204	PAU_04205	PAU_04206	PAU_04207	
<u>swp</u>	swp_2025	swp_2024	swp_2023	swp_2022	swp_2021	swp_2020	swp_2019
<u>mmb</u>	Mmol_0359	Mmol_0358	Mmol_0357	Mmol_0356	Mmol_0355	Mmol_0354	Mmol_0353
<u>reh</u>	H16_A3470	H16_A3471	H16_A3472	H16_A3473	H16_A3474	H16_A3475	H16_A3476

<u>reu</u>	Reut_A3165	Reut_A3166	Reut_A3167	Reut_A3168	Reut_A3169	Reut_A3170	Reut_A3171
<u>bav</u>	BAV0048	BAV0047	BAV0046	BAV0045	BAV0044	BAV0034	BAV0033
<u>rba</u>	RB7855	RB7854	RB7852	RB7851	RB7850	RB7849	RB7846
<u>cti</u>	RALTA_A2929	RALTA_A2930	RALTA_A2931	RALTA_A2932	RALTA_A2933	RALTA_A2934	RALTA_A2935
<u>sdn</u>	Sden_0184	Sden_0183	Sden_0182	Sden_0181	Sden_0180	Sden_0179	Sden_0178
<u>hna</u>	Hneap_0337	Hneap_0336	Hneap_0335	Hneap_0334	Hneap_0333	Hneap_0332	Hneap_0331
<u>ssm</u>	Spirs_0969	Spirs_0968	Spirs_0967	Spirs_0966	Spirs_0965	Spirs_0964	Spirs_0963
<u>slo</u>	Shew_0172	Shew_0171	Shew_0170	Shew_0169	Shew_0168	Shew_0167	Shew_0166
<u>tra</u>	Trad_1052	Trad_1051	Trad_1050	Trad_1049	Trad_1048	Trad_1047	Trad_1046
<u>pma</u>	Pro1699	Pro1306	Pro1700	Pro1701	Pro1702	Pro1703	Pro1704
<u>bfr</u>	BF4167	BF4168	BF4169	BF4170	BF4171	BF4172	BF4173
<u>sti</u>	Sthe_1050	Sthe_1049	Sthe_1048	Sthe_1047	Sthe_1046	Sthe_1045	Sthe_1044
<u>slt</u>	Slit_0781	Slit_0780	Slit_0779	Slit_0778	Slit_0777	Slit_0776	Slit_0775
<u>tgr</u>	Tgr7_2310	Tgr7_2311	Tgr7_2312	Tgr7_2313	Tgr7_2314	Tgr7_2315	Tgr7_2316
<u>hse</u>	Hsero_0128	Hsero_0127	Hsero_0126	Hsero_0125	Hsero_0124	Hsero_0123	Hsero_0122
<u>bfs</u>	BF3989	BF3990	BF3991	BF3992	BF3993	BF3994	BF3995
<u>bth</u>	BT_2713	BT_2714	BT_2715	BT_2716	BT_2717	BT_2718	BT_2719
<u>hip</u>	CGSHiEE_08105	CGSHiEE_08110	CGSHiEE_08115	CGSHiEE_08120	CGSHiEE_08125	CGSHiEE_08130	CGSHiEE_08135
<u>hit</u>	NTHI0955	NTHI0954	NTHI0953	NTHI0952	NTHI0951	NTHI0948	NTHI0947
<u>syg</u>	sync_0424	sync_2089	sync_0425	sync_0426	sync_0427	sync_0428	sync_0429
<u>sul</u>	SYO3AOP1_0277	SYO3AOP1_0278	SYO3AOP1_0279	SYO3AOP1_0280	SYO3AOP1_0281	SYO3AOP1_0282	SYO3AOP1_0283
<u>sye</u>	Syncc9902_1968	Syncc9902_1793	Syncc9902_1967	Syncc9902_1966	Syncc9902_1965	Syncc9902_1964	Syncc9902_1963
<u>hin</u>	HI0792	HI0791	HI0790	HI0789	HI0788	HI0786	HI0785
<u>aat</u>	D11S_0562		D11S_0561	D11S_0560		D11S_0065	D11S_0066
<u>hiq</u>	CGSHiGG_07460	CGSHiGG_07455	CGSHiGG_07450	CGSHiGG_07445	CGSHiGG_07440	CGSHiGG_07430	CGSHiGG_07425
<u>ajs</u>	Ajs_0395	Ajs_0394	Ajs_0393	Ajs_0392	Ajs_0391	Ajs_0287	Ajs_0286
<u>pmn</u>	PMN2A_1116	PMN2A_0809	PMN2A_1117	PMN2A_1118	PMN2A_1119	PMN2A_1120	PMN2A_1121
<u>dia</u>	Dtpsy_0387	Dtpsy_0386	Dtpsy_0385	Dtpsy_0384	Dtpsy_0383	Dtpsy_0282	Dtpsy_0281
<u>eay</u>	EAM_3184	EAM_3185	EAM_3186	EAM_3187	EAM_3188	EAM_3189	EAM_3190
<u>dar</u>	Daro_0333	Daro_0332	Daro_0331	Daro_0330	Daro_0329	Daro_0328	Daro_0327
<u>vha</u>	VIBHAR_00744	VIBHAR_00743	VIBHAR_00742	VIBHAR_00741	VIBHAR_00740	VIBHAR_00739	VIBHAR_00738
<u>bba</u>	Bd2963		Bd2964	Bd0941	Bd2965	Bd2967	Bd2968

<u>hsm</u>	HSM_1967	HSM_1966	HSM_1965	HSM_1964	HSM_1963	HSM_1961	HSM_1960
<u>hso</u>	HS_0074	HS_0073	HS_0072	HS_0071	HS_0070	HS_0068	HS_0067
<u>dge</u>	Dgeo_1853	Dgeo_1854	Dgeo_1855	Dgeo_1856	Dgeo_1857	Dgeo_1858	Dgeo_1859
<u>spl</u>	Spea_0198	Spea_0197	Spea_0196	Spea_0195	Spea_0194	Spea_0193	Spea_0192
<u>app</u>	CAP2UW1_3479	CAP2UW1_3480	CAP2UW1_3481	CAP2UW1_3482	CAP2UW1_3483	CAP2UW1_3484	CAP2UW1_3485
<u>syx</u>	SynWH7803_0421	SynWH7803_1907	SynWH7803_0422	SynWH7803_0423	SynWH7803_0424	SynWH7803_0425	SynWH7803_0426
<u>mpu</u>	MYPU_5730	MYPU_5740	MYPU_5750	MYPU_5760	MYPU_5770	MYPU_5780	MYPU_5790
<u>msu</u>	MS2034	MS2035	MS2036	MS2037		MS2039	MS2040
<u>fsu</u>	Fisuc_1408	Fisuc_1409	Fisuc_1410	Fisuc_1411	Fisuc_1412	Fisuc_1413	Fisuc_1414
<u>asu</u>	Asuc_0473	Asuc_0472	Asuc_0471	Asuc_0470	Asuc_0469	Asuc_0468	Asuc_0467
<u>pmj</u>	P9211_16651	P9211_12771	P9211_16661	P9211_16671	P9211_16681	P9211_16691	P9211_16701
<u>pme</u>	NATL1_19901	NATL1_16641	NATL1_19911	NATL1_19921	NATL1_19931	NATL1_19941	NATL1_19951
<u>sbl</u>	Sbal_4156	Sbal_4157	Sbal_4158	Sbal_4159	Sbal_4160	Sbal_4161	Sbal_4162
<u>sbp</u>	Sbal223_4042	Sbal223_4043	Sbal223_4044	Sbal223_4045	Sbal223_4046	Sbal223_4047	Sbal223_4048
<u>chu</u>	CHU_3148	CHU_3149	CHU_3150	CHU_3151	CHU_3152	CHU_3153	CHU_3154
<u>dsa</u>	Desal_1199	Desal_1198	Desal_1197	Desal_1196	Desal_1195	Desal_1194	Desal_1193
<u>bci</u>	BCI_0342	BCI_0341	BCI_0340	BCI_0339	BCI_0338	BCI_0337	BCI_0336
<u>sbn</u>	Sbal195_0214	Sbal195_0213	Sbal195_0212	Sbal195_0211	Sbal195_0210	Sbal195_0209	Sbal195_0208
<u>sbn</u>	Shew185_0210	Shew185_0209	Shew185_0208	Shew185_0207	Shew185_0206	Shew185_0205	Shew185_0204
<u>mca</u>	MCA2358	MCA2359	MCA2360	MCA2361	MCA2362	MCA2363	MCA2364
<u>lch</u>	Lcho_3935	Lcho_3936	Lcho_3937	Lcho_3938	Lcho_3939	Lcho_3990	Lcho_3991
<u>zin</u>	ZICARI_207	ZICARI_208	ZICARI_209	ZICARI_210	ZICARI_211	ZICARI_212	
<u>nmc</u>	NMC0146	NMC0145	NMC0144	NMC0143	NMC0142	NMC0141	NMC0140
<u>nmn</u>	NMCC_1992a	NMCC_1993	NMCC_1994	NMCC_1995	NMCC_1995a	NMCC_1996	NMCC_1997
<u>nme</u>	NMB0156	NMB0155	NMB0154	NMB0153	NMB0152	NMB0151	NMB0150
<u>nmi</u>	NMO_1882	NMO_1883	NMO_1884	NMO_1885	NMO_1886	NMO_1887	NMO_1888
<u>pmt</u>	PMT1745	PMT1376	PMT1744	PMT1743	PMT1742	PMT1741	PMT1740
<u>ngo</u>	NGO1826	NGO18261	NGO1827	NGO1828	NGO1829	NGO1830	NGO1831
<u>nma</u>	NMA0115	NMA0116	NMA0117	NMA0118	NMA0119	NMA0120	NMA0121
<u>syw</u>	SYNW2080	SYNW1896	SYNW2079	SYNW2078	SYNW2077	SYNW2076	SYNW2075
<u>syd</u>	Syncc9605_0363	Syncc9605_0571	Syncc9605_0364	Syncc9605_0365	Syncc9605_0366	Syncc9605_0367	Syncc9605_0368
<u>hde</u>	HDEF_1852	HDEF_1853	HDEF_1854	HDEF_1855	HDEF_1856	HDEF_1857	HDEF_1858

<u>vpa</u>	VP0271	VP0270	VP0269	VP0268	VP0267	VP0266	VP0265
<u>rfr</u>	Rfer_4229	Rfer_4230	Rfer_4231	Rfer_4232	Rfer_4233	Rfer_3786	Rfer_3787
<u>bpt</u>	Bpet4936	Bpet4937	Bpet4938	Bpet4939	Bpet4940	Bpet4943	Bpet4944
<u>amc</u>	MADE_00952	MADE_00951	MADE_00950	MADE_00949	MADE_00948	MADE_00454	MADE_00453
<u>pmf</u>	P9303_23161	P9303_06031	P9303_23151	P9303_23131	P9303_23121	P9303_23111	P9303_23101
<u>vcm</u>	VCM66_2502	VCM66_2503	VCM66_2504	VCM66_2505	VCM66_2506	VCM66_2507	VCM66_2508
<u>cvi</u>	CV_4172	CV_4173	CV_4174	CV_4175	CV_4176	CV_4177	CV_4178
<u>meh</u>	M301_0350	M301_0349	M301_0348	M301_0347	M301_0346	M301_0345	M301_0344
<u>vch</u>	VC2582	VC2583	VC2584	VC2585	VC2586	VC2587	VC2588
<u>mpt</u>	Mpe_A3429	Mpe_A3430	Mpe_A3431		Mpe_A3432	Mpe_A3434	Mpe_A3435
<u>vco</u>	VC0395_A2160	VC0395_A2161	VC0395_A2162	VC0395_A2163	VC0395_A2164	VC0395_A2165	VC0395_A2166
<u>vcj</u>	VCD_001781	VCD_001780	VCD_001779	VCD_001778	VCD_001777	VCD_001776	VCD_001775
<u>mmo</u>	MMOB2490	MMOB2480	MMOB2470	MMOB2460	MMOB2450	MMOB2440	MMOB2430
<u>vvv</u>	VV0389	VV0388	VV0387	VV0386	VV0385	VV0384	VV0383
<u>vvu</u>	VV1_0746	VV1_0747	VV1_0748	VV1_0750	VV1_0751	VV1_0753	VV1_0754
<u>dvu</u>	DVU1317	DVU1316	DVU1315	DVU1314	DVU1313	DVU1312	DVU1311
<u>tal</u>	Thal_0756	Thal_0757	Thal_0758	Thal_0759	Thal_0760	Thal_0609	Thal_0610
<u>dno</u>	DNO_1261	DNO_1262	DNO_1263	DNO_1264	DNO_1265	DNO_1266	DNO_1267
<u>dra</u>	DR_2110	DR_2109	DR_0323	DR_0322	DR_0321	DR_0320	DR_0319
<u>dvl</u>	Dvul_1751	Dvul_1752	Dvul_1753	Dvul_1754	Dvul_1755	Dvul_1756	Dvul_1757
<u>psl</u>	Psta_2614	Psta_2613	Psta_2612	Psta_2611	Psta_2610	Psta_2609	Psta_2608
<u>dde</u>	Dde_2243	Dde_2244	Dde_2245	Dde_2246	Dde_2247	Dde_2248	Dde_2249
<u>bbl</u>	BLBBGE_251	BLBBGE_250	BLBBGE_249	BLBBGE_248	BLBBGE_247	BLBBGE_246	
<u>vsp</u>	VS_2817	VS_2818	VS_2819	VS_2820	VS_2821	VS_2822	VS_2823
<u>lhk</u>	LHK_00267	LHK_00266	LHK_00265	LHK_00264	LHK_00263	LHK_00262	LHK_00261
<u>tin</u>	Tint_2622	Tint_2623	Tint_2624	Tint_2625	Tint_2626	Tint_2869	Tint_2870
<u>afo</u>	Afer_0412	Afer_0411	Afer_0410	Afer_0409	Afer_0408	Afer_0407	Afer_0406
<u>hha</u>	Hhal_0844	Hhal_0845	Hhal_0846	Hhal_0847	Hhal_0848	Hhal_0849	Hhal_0850
<u>vap</u>	Vapar_5056	Vapar_5057	Vapar_5058	Vapar_5059	Vapar_5060	Vapar_4904	Vapar_4905
<u>bas</u>	BUsg491	BUsg492	BUsg493	BUsg494	BUsg495	BUsg496	BUsg497
<u>tau</u>	Tola_0113	Tola_0112	Tola_0111	Tola_0110	Tola_0109	Tola_0108	Tola_0107
<u>pol</u>	Bpro_0489	Bpro_0488	Bpro_0487	Bpro_0486	Bpro_0485	Bpro_0265	Bpro_0264
<u>pap</u>	PSPA7_0851	PSPA7_0850	PSPA7_0849	PSPA7_0848	PSPA7_0847	PSPA7_0846	PSPA7_0845

<u>wbr</u>	WGLp557	WGLp556	WGLp555	WGLp554	WGLp553	WGLp552	WGLp551
<u>pae</u>	PA4249	PA4250	PA4251	PA4252	PA4253	PA4254	PA4255
<u>pha</u>	PSHAa2816	PSHAa2817	PSHAa2818	PSHAa2819	PSHAa2820	PSHAa0153	PSHAa0152
<u>pau</u>	PA14_08990	PA14_08980	PA14_08970	PA14_08960	PA14_08950	PA14_08940	PA14_08930
<u>dvm</u>	DvMF_0093	DvMF_0092	DvMF_0091	DvMF_0090	DvMF_0089	DvMF_0088	DvMF_0087
<u>ttu</u>	TERTU_0922	TERTU_0921	TERTU_0920	TERTU_0919	TERTU_0918	TERTU_0917	TERTU_0916
<u>ddf</u>	DEFDS_1758	DEFDS_1759	DEFDS_1760	DEFDS_1761	DEFDS_1762	DEFDS_1763	DEFDS_1764
<u>sru</u>	SRU_1049	SRU_1048	SRU_1047	SRU_1046	SRU_1045	SRU_1044	SRU_1043
<u>srn</u>	SRM_01250	SRM_01249	SRM_01248	SRM_01247	SRM_01246	SRM_01245	SRM_01244
<u>pag</u>	PLES_06791	PLES_06781	PLES_06771	PLES_06761	PLES_06751	PLES_06741	PLES_06731
<u>nde</u>	NIDE1325	NIDE1324	NIDE1323	NIDE1322	NIDE1321	NIDE1320	NIDE1319
<u>mfa</u>	Mfla_0293	Mfla_0292	Mfla_0291	Mfla_0290	Mfla_0289	Mfla_0288	Mfla_0287
<u>pna</u>	Pnap_0334	Pnap_0333	Pnap_0332	Pnap_0331	Pnap_0330	Pnap_0212	Pnap_0211
<u>gca</u>	Galf_0572	Galf_0571	Galf_0570	Galf_0569	Galf_0568	Galf_0567	Galf_0566
<u>noc</u>	Noc_2310	Noc_2311	Noc_2312	Noc_2313	Noc_2314	Noc_2315	Noc_2316
<u>bpa</u>	BPP0045	BPP0044	BPP0043	BPP0042	BPP0041	BPP0038	BPP0037
<u>vsal</u>	VSAL_I0334	VSAL_I0333	VSAL_I0332	VSAL_I0331	VSAL_I0330	VSAL_I0329	VSAL_I0328
<u>bpe</u>	BP3630	BP3629	BP3628	BP3627	BP3626	BP3622	BP3621
<u>bfl</u>	Bfl205	Bfl204	Bfl203	Bfl202	Bfl201	Bfl200	
<u>bbr</u>	BB0045	BB0044	BB0043	BB0042	BB0041	BB0038	BB0037
<u>tbd</u>	Tbd_0419	Tbd_0418	Tbd_0417	Tbd_0416	Tbd_0415	Tbd_0414	Tbd_0413
<u>nwa</u>	Nwat_2144	Nwat_2145	Nwat_2146	Nwat_2147	Nwat_2148	Nwat_2149	Nwat_2150
<u>pne</u>	Pnec_0064	Pnec_0063	Pnec_0062	Pnec_0061	Pnec_0060	Pnec_0059	
<u>gpb</u>	HDN1F_03790	HDN1F_03780	HDN1F_03770	HDN1F_03760	HDN1F_03750	HDN1F_03740	HDN1F_03730
<u>vfi</u>	VF_0251	VF_0250	VF_0249	VF_0248	VF_0246	VF_0245	VF_0244
<u>xcv</u>	XCV1013	XCV1012	XCV1011	XCV1010	XCV1009	XCV1008	XCV1007
<u>xac</u>	XAC0986	XAC0985	XAC0984	XAC0983	XAC0982	XAC0981	XAC0980
<u>vfm</u>	VFMJ11_0239	VFMJ11_0238	VFMJ11_0237	VFMJ11_0236	VFMJ11_0235	VFMJ11_0234	VFMJ11_0233
<u>sde</u>	Sde_0973	Sde_0972	Sde_0971	Sde_0970	Sde_0969	Sde_0968	
<u>shw</u>	Sputw3181_0170	Sputw3181_0169	Sputw3181_0168	Sputw3181_0167	Sputw3181_0166	Sputw3181_0165	Sputw3181_0164
<u>dma</u>	DMR_12340	DMR_12330	DMR_12320	DMR_12310	DMR_12300	DMR_12290	DMR_12280
<u>xal</u>	XALc_0528	XALc_0527	XALc_0526	XALc_0525	XALc_0524	XALc_0523	XALc_0522
<u>pnu</u>	Pnuc_0067	Pnuc_0066	Pnuc_0065	Pnuc_0064	Pnuc_0063	Pnuc_0062	

<u>ilo</u>	IL1902	IL1903	IL1904	IL1905	IL1906	IL1915	IL1916
<u>xcc</u>	XCC0909	XCC0908	XCC0907	XCC0906	XCC0905	XCC0904	XCC0903
<u>spc</u>	Sputcn32_3745	Sputcn32_3746	Sputcn32_3747	Sputcn32_3748	Sputcn32_3749	Sputcn32_3750	Sputcn32_3751
<u>xcb</u>	XC_3326	XC_3327	XC_3328	XC_3329	XC_3330	XC_3331	XC_3332
<u>shw</u>	Shewmr7_0208	Shewmr7_0207	Shewmr7_0206	Shewmr7_0205	Shewmr7_0204	Shewmr7_0203	Shewmr7_0202
<u>she</u>	Shewmr4_0213	Shewmr4_0212	Shewmr4_0211	Shewmr4_0210	Shewmr4_0209	Shewmr4_0208	Shewmr4_0207
<u>ae</u>	Mlg_0472	Mlg_0471	Mlg_0470	Mlg_0469	Mlg_0468	Mlg_0467	Mlg_0466
<u>xca</u>	xccb100_3445	xccb100_3446	xccb100_3447	xccb100_3448	xccb100_3449	xccb100_3450	xccb100_3451
<u>rma</u>	Rmag_0179	Rmag_0178	Rmag_0177	Rmag_0176	Rmag_0175	Rmag_0174	Rmag_0173
<u>shn</u>	Shewana3_0213	Shewana3_0212	Shewana3_0211	Shewana3_0210	Shewana3_0209	Shewana3_0208	Shewana3_0207
<u>son</u>	SO_0245	SO_0244	SO_0243	SO_0242	SO_0241	SO_0240	SO_0239
<u>vex</u>	VEA_001728	VEA_001729	VEA_001730	VEA_001731	VEA_001732	VEA_001733	VEA_001734
<u>xoo</u>	XOO5000	XOO3569	XOO3570	XOO3571	XOO3573	XOO3574	XOO3575
<u>rip</u>	RIEPE_0435	RIEPE_0436	RIEPE_0437	RIEPE_0438	RIEPE_0439	RIEPE_0440	
<u>xom</u>	XOO_3373	XOO_3374	XOO_3375	XOO_3376	XOO_3377	XOO_3378	XOO_3379
<u>cwo</u>	Cwoe_1354	Cwoe_1353	Cwoe_1352	Cwoe_1351	Cwoe_1350	Cwoe_1349	Cwoe_1348
<u>mco</u>	MCJ_001440	MCJ_001430a	MCJ_001430	MCJ_001420	MCJ_001410	MCJ_001400	MCJ_001390
<u>gau</u>	GAU_0887	GAU_0886	GAU_0885	GAU_0884	GAU_0883	GAU_0882	GAU_0881
<u>mei</u>	Msip34_0316	Msip34_0315	Msip34_0314	Msip34_0313	Msip34_0312	Msip34_0310	Msip34_0309
<u>sml</u>	Smlt0920	Smlt0919	Smlt0918	Smlt0917	Smlt0916	Smlt0915	Smlt0914
<u>afr</u>	AFE_0341	AFE_0340	AFE_0339	AFE_0338	AFE_0337	AFE_0336	AFE_0335
<u>afe</u>	Lferr_0511	Lferr_0510	Lferr_0509	Lferr_0508	Lferr_0507	Lferr_0506	Lferr_0505
<u>cpn</u>	CPn0634	CPn0937	CPn0635	CPn0636	CPn0637	CPn0638	
<u>ppr</u>	PBPRA0334	PBPRA0333	PBPRA0332	PBPRA0331	PBPRA0330	PBPRA0329	PBPRA0328
<u>cpa</u>	CP0113	CP0924	CP0112	CP0111	CP0110	CP0109	
<u>dds</u>	Ddes_0674	Ddes_0673	Ddes_0672	Ddes_0671	Ddes_0670	Ddes_0669	Ddes_0668
<u>cpt</u>	CpB0660	CpB0971	CpB0661	CpB0662	CpB0663	CpB0664	
<u>cmu</u>	TC0802	TC0170	TC0803	TC0804	TC0805	TC0806	
<u>tmz</u>	Tmz1t_3324	Tmz1t_3325	Tmz1t_3326	Tmz1t_3327	Tmz1t_3328	Tmz1t_3329	Tmz1t_3330
<u>cpj</u>	CPj0634	CPj0937	CPj0635	CPj0636	CPj0637	CPj0638	
<u>smt</u>	Smal_0770	Smal_0769	Smal_0768	Smal_0767	Smal_0766	Smal_0765	Smal_0764
<u>rbi</u>	RB2501_09925	RB2501_09920	RB2501_09915	RB2501_09910	RB2501_09905	RB2501_09900	RB2501_09895
<u>mhy</u>	mhp202	mhp201	mhp200	mhp199	mhp198	mhp197	mhp196

<u>mga</u>	MGA_0733	MGA_0732	MGA_0729	MGA_0728	MGA_0726	MGA_0725	MGA_0723
<u>mhp</u>	MHP7448_0180	MHP7448_0181	MHP7448_0182	MHP7448_0183	MHP7448_0184	MHP7448_0185	MHP7448_0186
<u>mhj</u>	MHJ_0176	MHJ_0177	MHJ_0178	MHJ_0179	MHJ_0180	MHJ_0181	MHJ_0182
<u>azo</u>	azo3403	azo3404	azo3405	azo3406	azo3407	azo3408	azo3409
<u>cbd</u>	CBUD_1840	CBUD_1841	CBUD_1842	CBUD_1843	CBUD_1844	CBUD_1845	CBUD_1846
<u>cbg</u>	CbuG_1753	CbuG_1754	CbuG_1755	CbuG_1756	CbuG_1757	CbuG_1758	CbuG_1759
<u>bab</u>	bbp453	bbp454	bbp455	bbp456	bbp457	bbp458	bbp459
<u>amu</u>	Amuc_0927	Amuc_0557	Amuc_0926	Amuc_0925	Amuc_0293	Amuc_0294	Amuc_0295
<u>dbr</u>	Deba_2924	Deba_2925	Deba_2926	Deba_2927	Deba_2928	Deba_2929	Deba_2930
<u>bpn</u>	BPEN_212	BPEN_211	BPEN_210	BPEN_209	BPEN_208	BPEN_207	
<u>cbc</u>	CbuK_0447	CbuK_0446	CbuK_0445	CbuK_0444	CbuK_0443	CbuK_0442	CbuK_0441
<u>smg</u>	SMGWSS_234	SMGWSS_233	SMGWSS_232		SMGWSS_231	SMGWSS_230	
<u>mhr</u>	MHR_0388	MHR_0389	MHR_0390	MHR_0391	MHR_0392	MHR_0393	MHR_0394
<u>smh</u>	DMIN_02300	DMIN_02290	DMIN_02280		DMIN_02270	DMIN_02260	
<u>cbs</u>	COXBURSA331_ A0351	COXBURSA331_ A0350	COXBURSA331_ A0349	COXBURSA331_ A0348	COXBURSA331_ A0347	COXBURSA331_ A0346	COXBURSA331_ A0345
<u>mal</u>	MAGa5960	MAGa5970	MAGa5980	MAGa5990	MAGa6000	MAGa6010	MAGa6020
<u>pfs</u>	PFLU5513	PFLU5514	PFLU5515	PFLU5516	PFLU5517	PFLU5518	PFLU5519
<u>ddr</u>	Deide_18810	Deide_18820	Deide_18830	Deide_18840	Deide_18850	Deide_18860	Deide_18870
<u>cbu</u>	CBU_0252	CBU_0251	CBU_0250	CBU_0249	CBU_0248	CBU_0247	CBU_0246
<u>dap</u>	Dacet_0386	Dacet_0385	Dacet_0384	Dacet_0383	Dacet_0382	Dacet_0381	Dacet_0380
<u>bpo</u>	BP951000_1012	BP951000_1013	BP951000_1014	BP951000_1015	BP951000_1016	BP951000_1017	BP951000_1018
<u>brm</u>	Bmur_1850	Bmur_1849	Bmur_1848	Bmur_1847	Bmur_1846	Bmur_1845	Bmur_1844
<u>msy</u>	MS53_0629	MS53_0630	MS53_0631	MS53_0632	MS53_0633	MS53_0634	MS53_0635
<u>bhy</u>	BHWA1_02137		BHWA1_02136	BHWA1_02135	BHWA1_02134	BHWA1_02133	BHWA1_02132
<u>ctr</u>	CT515	CT787	CT516	CT517	CT518	CT519	
<u>psb</u>	Psyr_4534	Psyr_4535	Psyr_4536	Psyr_4537	Psyr_4538	Psyr_4539	Psyr_4540
<u>ctj</u>	JALI_5181	JALI_7921	JALI_5191	JALI_5201	JALI_5211	JALI_5221	
<u>pst</u>	PSPTO_0640	PSPTO_0639	PSPTO_0638	PSPTO_0637	PSPTO_0636	PSPTO_0635	PSPTO_0634
<u>cta</u>	CTA_0564	CTA_0857	CTA_0565	CTA_0566	CTA_0567	CTA_0568	
<u>psp</u>	PSPPH_4578	PSPPH_4579	PSPPH_4580	PSPPH_4581	PSPPH_4582	PSPPH_4583	PSPPH_4584
<u>aha</u>	AHA_0323	AHA_0322	AHA_0321	AHA_0320	AHA_0319	AHA_0318	AHA_0317
<u>ctb</u>	CTL0777	CTL0155	CTL0778	CTL0779	CTL0780	CTL0781	

<u>asa</u>	ASA_4073	ASA_4074	ASA_4075	ASA_4076	ASA_4077	ASA_4078	ASA_4079
<u>ctl</u>	CTLon_0772	CTLon_0156	CTLon_0773	CTLon_0774	CTLon_0775	CTLon_0776	
<u>mcđ</u>	MCRO_0140	MCRO_0139	MCRO_0138	MCRO_0137	MCRO_0136	MCRO_0135	MCRO_0134
<u>azc</u>	AZC_2540	AZC_2541	AZC_2542	AZC_2543	AZC_2544	AZC_2545	AZC_2546
<u>pmy</u>	Pmen_3895	Pmen_3896	Pmen_3897	Pmen_3898	Pmen_3899	Pmen_3900	Pmen_3901
<u>mho</u>	MHO_2840	MHO_2850	MHO_2860	MHO_2870	MHO_2880	MHO_2890	MHO_2900
<u>xau</u>	Xaut_4784	Xaut_4785	Xaut_4786	Xaut_4787	Xaut_1689	Xaut_1688	Xaut_1687
<u>vok</u>	COSY_0183	COSY_0182	COSY_0181	COSY_0180	COSY_0179	COSY_0178	COSY_0177
<u>hth</u>	HTH_0716	HTH_0715	HTH_0714	HTH_0713	HTH_0712	HTH_0842	HTH_0843
<u>cpo</u>	COPRO5265_0999	COPRO5265_1000	COPRO5265_1001	COPRO5265_1002	COPRO5265_1003	COPRO5265_1004	COPRO5265_1005
<u>mat</u>	MARTH_orf428	MARTH_orf429	MARTH_orf430	MARTH_orf431	MARTH_orf432	MARTH_orf433	MARTH_orf434
<u>pfo</u>	Pfl01_5065	Pfl01_5066	Pfl01_5067	Pfl01_5068	Pfl01_5069	Pfl01_5070	Pfl01_5071
<u>mgm</u>	Mmc1_0861	Mmc1_0860	Mmc1_0859	Mmc1_0858	Mmc1_0857	Mmc1_0856	Mmc1_0855
<u>saf</u>	SULAZ_1741	SULAZ_1742	SULAZ_1744	SULAZ_1745	SULAZ_1746	SULAZ_1747	SULAZ_1748
<u>dba</u>	Dbac_2760	Dbac_2761	Dbac_2762	Dbac_2763	Dbac_2764	Dbac_2765	Dbac_2766
<u>pub</u>	SAR11_1103	SAR11_1104	SAR11_1105	SAR11_1106	SAR11_1107	SAR11_1108	SAR11_1109
<u>pfl</u>	PFL_5568	PFL_5569	PFL_5570	PFL_5571	PFL_5572	PFL_5573	PFL_5574
<u>eba</u>	ebB129	ebC1	ebA3839	ebB128	ebB127	ebC10	ebC3
<u>hch</u>	HCH_06202	HCH_06204	HCH_06205	HCH_06206	HCH_06207	HCH_06208	HCH_06209
<u>lbf</u>	LBF_1899	LBF_1900	LBF_1901	LBF_1902	LBF_1903	LBF_1904	LBF_1905
<u>lbi</u>	LEPBI_I1951		LEPBI_I1952	LEPBI_I1953	LEPBI_I1954	LEPBI_I1955	LEPBI_I1956
<u>cph</u>	Cpha266_2409	Cpha266_2410	Cpha266_2411	Cpha266_2412	Cpha266_2413	Cpha266_2414	
<u>cja</u>	CJA_0713	CJA_0712	CJA_0711	CJA_0710	CJA_0709	CJA_0708	CJA_0707
<u>cca</u>	CCA00106	CCA00833	CCA00105	CCA00104	CCA00103	CCA00102	CCA00101
<u>psa</u>	PST_0798	PST_0797	PST_0796	PST_0795	PST_0794	PST_0793	PST_0792
<u>maa</u>	MAG_5330	MAG_5340	MAG_5350	MAG_5360	MAG_5370	MAG_5380	MAG_7510
<u>pen</u>	PSEEN0504	PSEEN0503	PSEEN0502	PSEEN0501	PSEEN0500	PSEEN0499	PSEEN0498
<u>cab</u>	CAB105	CAB802	CAB104	CAB103	CAB102	CAB101	
<u>paa</u>	Paes_2050	Paes_2051	Paes_2052	Paes_2053	Paes_2054	Paes_2055	Paes_2056
<u>alv</u>	Alvin_2349	Alvin_2350	Alvin_2351	Alvin_2352	Alvin_2353	Alvin_2354	Alvin_2355
<u>hne</u>	HNE_2837	HNE_2838	HNE_2839	HNE_2840	HNE_2841	HNE_2842	HNE_2843
<u>pin</u>	Ping_3510	Ping_3511	Ping_3512	Ping_3513	Ping_3514	Ping_3515	Ping_3516



<u>cfe</u>	CF0900	CF0181	CF0901	CF0902	CF0903	CF0904	CF0905
<u>maq</u>	Maqu_0733	Maqu_0732	Maqu_0731	Maqu_0730	Maqu_0729	Maqu_0728	Maqu_0727
<u>csa</u>	Csal_0435	Csal_0434	Csal_0433	Csal_0432	Csal_0431	Csal_0430	Csal_0429
<u>sms</u>	SMDSEM_246	SMDSEM_245	SMDSEM_244		SMDSEM_242	SMDSEM_241	
<u>tkm</u>	TK90_2155	TK90_2156	TK90_2157	TK90_2158	TK90_2159	TK90_2160	TK90_2161
<u>aci</u>	ACIAD3205	ACIAD3206	ACIAD3207	ACIAD3208	ACIAD3209	ACIAD3210	ACIAD3211
<u>abb</u>	ABBFA_000446	ABBFA_000445	ABBFA_000444	ABBFA_000443	ABBFA_000442	ABBFA_000441	ABBFA_000440
<u>aby</u>	ABAYE0422	ABAYE0421	ABAYE0420	ABAYE0419	ABAYE0418	ABAYE0417	ABAYE0416
<u>abn</u>	AB57_3516	AB57_3517	AB57_3518	AB57_3519	AB57_3520	AB57_3521	AB57_3522
<u>plt</u>	Plut_0195	Plut_0194	Plut_0193	Plut_0192	Plut_0191	Plut_0190	Plut_0189
<u>cts</u>	Ctha_1102	Ctha_1101	Ctha_1100	Ctha_1099	Ctha_1098	Ctha_1097	Ctha_1096
<u>abm</u>	ABSDF0437	ABSDF0436	ABSDF0435	ABSDF0434	ABSDF0433	ABSDF0432	ABSDF0431
<u>bcc</u>	BCc_327	BCc_328	BCc_329	BCc_330	BCc_331	BCc_332	BCc_333
<u>mmw</u>	Mmwy11_4262	Mmwy11_4263	Mmwy11_4264	Mmwy11_4265	Mmwy11_4266	Mmwy11_4267	Mmwy11_4268
<u>cps</u>	CPS_0615	CPS_0614	CPS_0613	CPS_0612	CPS_0611	CPS_0864	CPS_0865
<u>xft</u>	PD0451	PD0450	PD0449	PD0448	PD0447	PD0446	PD0445
<u>acd</u>	AOLE_02160	AOLE_02155	AOLE_02150	AOLE_02145	AOLE_02140	AOLE_02135	AOLE_02130
<u>ppw</u>	PputW619_4735	PputW619_4736	PputW619_4737	PputW619_4738	PputW619_4739	PputW619_4740	PputW619_4741
<u>xfn</u>	XfasM23_0447	XfasM23_0446	XfasM23_0445	XfasM23_0444	XfasM23_0443	XfasM23_0442	XfasM23_0441
<u>xfm</u>	Xfasm12_0508	Xfasm12_0507	Xfasm12_0506	Xfasm12_0505	Xfasm12_0504	Xfasm12_0503	Xfasm12_0502
<u>pbr</u>	PB2503_09509	PB2503_09504	PB2503_09499	PB2503_09494	PB2503_09489	PB2503_09484	PB2503_09479
<u>met</u>	M446_0339	M446_0340	M446_0341	M446_0342	M446_0343	M446_0344	M446_0345
<u>ppu</u>	PP_0468	PP_0467	PP_0466	PP_0465	PP_0464	PP_0463	PP_0462
<u>lip</u>	LI0972		LI0971	LI0970	LI0969	LI0968	
<u>ppg</u>	PputGB1_0498	PputGB1_0497	PputGB1_0496	PputGB1_0495	PputGB1_0494	PputGB1_0493	PputGB1_0492
<u>ppf</u>	Pput_0501	Pput_0500	Pput_0499	Pput_0498	Pput_0497	Pput_0496	Pput_0495
<u>mlo</u>	mlr0310	mlr0309	mlr0308	mlr0306	mlr0305	msr0304	msr0303
<u>lbl</u>	LBL_0427	LBL_0426	LBL_0425	LBL_0424	LBL_0423	LBL_0422	LBL_0421
<u>lbj</u>	LBJ_2645	LBJ_2646	LBJ_2647	LBJ_2648	LBJ_2649	LBJ_2650	LBJ_2651
<u>upa</u>	UPA3_0253	UPA3_0252	UPA3_0251	UPA3_0250	UPA3_0249	UPA3_0248	UPA3_0247
<u>uue</u>	UUR10_0240	UUR10_0239	UUR10_0238	UUR10_0237	UUR10_0236	UUR10_0235	UUR10_0234
<u>uur</u>	UU245	UU244	UU243	UU242	UU241	UU240	UU239
<u>cch</u>	Cag_1837	Cag_1838	Cag_1839	Cag_1840	Cag_1841	Cag_1842	Cag_1843

<u>msl</u>	Msil_0566	Msil_0567	Msil_0568	Msil_0569	Msil_0570	Msil_0571	Msil_0572
<u>rpc</u>	RPC_3434	RPC_3435	RPC_3436	RPC_3437	RPC_3438	RPC_3439	RPC_3440
<u>mno</u>	Mnod_1922	Mnod_1921	Mnod_1920	Mnod_1919	Mnod_1918	Mnod_1917	Mnod_1916
<u>rce</u>	RC1_0725	RC1_0724	RC1_0723	RC1_0722	RC1_0721	RC1_0720	RC1_0719
<u>sum</u>	SMCARI_254	SMCARI_253	SMCARI_252	SMCARI_251	SMCARI_250	SMCARI_249	
<u>bid</u>	Bind_1368	Bind_1367	Bind_1366	Bind_1365	Bind_1364	Bind_1363	Bind_1362
<u>avi</u>	Avi_1855	Avi_1854	Avi_1853	Avi_1851	Avi_1850	Avi_1849	Avi_1848
<u>rru</u>	Rru_A2674	Rru_A2675	Rru_A2676	Rru_A2677	Rru_A2678	Rru_A2679	Rru_A2680
<u>mrđ</u>	Mrad2831_2204	Mrad2831_2205	Mrad2831_2206	Mrad2831_2207	Mrad2831_2208	Mrad2831_2227	Mrad2831_2226
<u>gox</u>	GOX0366	GOX0367	GOX0368	GOX0369	GOX0370	GOX0371	GOX0372
<u>mpo</u>	Mpop_2150	Mpop_2151	Mpop_2152	Mpop_2153	Mpop_2154	Mpop_2132	Mpop_2131
<u>rle</u>	RL1788	RL1787	RL1786	RL1785	RL1784	RL1783	RL1782
<u>rlg</u>	Rleg_1444	Rleg_1443	Rleg_1442	Rleg_1441	Rleg_1440	Rleg_1439	Rleg_1438
<u>mmr</u>	Mmar10_1781	Mmar10_1782	Mmar10_1783	Mmar10_1784	Mmar10_1785	Mmar10_1786	Mmar10_1787
<u>mes</u>	Meso_1664	Meso_1665	Meso_1666	Meso_1667	Meso_1668	Meso_1669	Meso_1670
<u>pde</u>	Pden_0773	Pden_0772	Pden_0771	Pden_0770	Pden_0769	Pden_0768	Pden_0767
<u>ret</u>	RHE_CH01689	RHE_CH01688	RHE_CH01687	RHE_CH01686	RHE_CH01685	RHE_CH01684	RHE_CH01683
<u>rec</u>	RHECIAT_CH000 1763	RHECIAT_CH000 1762	RHECIAT_CH000 1761	RHECIAT_CH000 1760	RHECIAT_CH000 1759	RHECIAT_CH000 1758	RHECIAT_CH000 1757
<u>rlt</u>	Rleg2_1346	Rleg2_1345	Rleg2_1344	Rleg2_1343	Rleg2_1342	Rleg2_1341	Rleg2_1340
<u>oca</u>	OCAR_5691	OCAR_5690	OCAR_5689	OCAR_5688	OCAR_5687	OCAR_5686	OCAR_5685
<u>jan</u>	Jann_0605	Jann_0604	Jann_0603	Jann_0602	Jann_0601	Jann_0600	Jann_0599
<u>mea</u>	Mex_1p2178	Mex_1p2179	Mex_1p2180	Mex_1p2181	Mex_1p2182	Mex_1p2162	Mex_1p2161
<u>mex</u>	Mext_2187	Mext_2188	Mext_2189	Mext_2190	Mext_2191	Mext_2171	Mext_2170
<u>mch</u>	Mchl_2465	Mchl_2466	Mchl_2467	Mchl_2468	Mchl_2469	Mchl_2449	Mchl_2448
<u>mdi</u>	METDI2961	METDI2962	METDI2963	METDI2964	METDI2965	METDI2944	METDI2943
<u>mpn</u>	MPN179	MPN178	MPN177	MPN176	MPN175	MPN174	MPN173
<u>ara</u>	Arad_1991	Arad_1990	Arad_1988	Arad_1986	Arad_1985	Arad_1983	Arad_1982
<u>drt</u>	Dret_2051	Dret_2052	Dret_2053	Dret_2054	Dret_2055	Dret_2056	Dret_2057
<u>sil</u>	SPO0499	SPO0498	SPO0497	SPO0496	SPO0495	SPO0494	SPO0493
<u>rpe</u>	RPE_3572	RPE_3573	RPE_3574	RPE_3575	RPE_3576	RPE_3577	RPE_3578
<u>pph</u>	Ppha_0303	Ppha_0302	Ppha_0301	Ppha_0300	Ppha_0299	Ppha_0298	
<u>xfa</u>	XF1166	XF1165	XF1164	XF1163	XF1162	XF1161	XF1160

<u>oan</u>	Oant_1970	Oant_1969	Oant_1968	Oant_1967	Oant_1966	Oant_1965	Oant_1964
<u>gdi</u>	GDI_3390	GDI_3391	GDI_3392	GDI_3393	GDI_3394	GDI_3395	GDI_3396
<u>prw</u>	PsycPRwf_0440	PsycPRwf_0439	PsycPRwf_0438	PsycPRwf_0437	PsycPRwf_0436	PsycPRwf_0435	PsycPRwf_0434
<u>gdj</u>	Gdia_2980	Gdia_2979	Gdia_2978	Gdia_2977	Gdia_2976	Gdia_2975	Gdia_2974
<u>btr</u>	Btr_1504	Btr_1505	Btr_1506	Btr_1507	Btr_1508	Btr_1509	Btr_1510
<u>caa</u>	Caka_1675	Caka_1676	Caka_1677	Caka_1678	Caka_1679	Caka_1680	Caka_1681
<u>bj</u>	bll5386	bll5387	bll5388	bll5389	bll5390	bsl5391	bsl5392
<u>abo</u>	ABO_0411	ABO_0410	ABO_0409	ABO_0408	ABO_0407	ABO_0406	ABO_0405
<u>rsq</u>	Rsph17025_2520	Rsph17025_2521	Rsph17025_2522	Rsph17025_2523	Rsph17025_2524	Rsph17025_2525	Rsph17025_2526
<u>rde</u>	RD1_1424	RD1_1423	RD1_1422	RD1_1421	RD1_1420	RD1_1419	RD1_1418
<u>apb</u>	SAR116_2405	SAR116_2404	SAR116_2403	SAR116_2402	SAR116_2401	SAR116_2400	SAR116_2399
<u>lic</u>	LIC12859	LIC12860	LIC12861	LIC12862	LIC12863	LIC12864	LIC12865
<u>sme</u>	SMc01295	SMc01296	SMc01297	SMc01298	SMc01299	SMc01300	SMc01301
<u>lil</u>	LA_0753	LA_0752	LA_0751	LA_0750	LA_0749	LA_0748	LA_0747
<u>rsp</u>	RSP_1729	RSP_1728	RSP_1727	RSP_1726	RSP_1725	RSP_6017	RSP_1724
<u>rsh</u>	Rsph17029_0375	Rsph17029_0374	Rsph17029_0373	Rsph17029_0372	Rsph17029_0371	Rsph17029_0370	Rsph17029_0369
<u>bme</u>	BMEI0771	BMEI0770	BMEI0769	BMEI0768	BMEI0767	BMEI0766	BMEI0765
<u>smd</u>	Smed_1000	Smed_0999	Smed_0998	Smed_0997	Smed_0996	Smed_0995	Smed_0994
<u>bbk</u>	BARBAKC583_07 12	BARBAKC583_07 11	BARBAKC583_07 10	BARBAKC583_06 77	BARBAKC583_06 76	BARBAKC583_06 75	BARBAKC583_06 74
<u>cte</u>	CT2175	CT2176	CT2177	CT2178	CT2179	CT2180	CT2181
<u>acr</u>	Acry_1932	Acry_1933	Acry_1934	Acry_1935	Acry_1936	Acry_1937	Acry_1938
<u>bhe</u>	BH10370	BH10380	BH10390	BH10400	BH10410	BH10420	BH10430
<u>bbz</u>	BbuZS7_0503	BbuZS7_0502	BbuZS7_0501	BbuZS7_0500	BbuZS7_0499	BbuZS7_0498	BbuZS7_0497
<u>bga</u>	BG0504	BG0503	BG0502	BG0501	BG0500	BG0499	BG0498
<u>llo</u>	LLO_0500	LLO_0499	LLO_0498	LLO_0497	LLO_0496	LLO_0495	LLO_0494
<u>bbu</u>	BB0492	BB0491	BB0490	BB0489	BB0488	BB0487	BB0486
<u>bgr</u>	Bgr_13120	Bgr_13130	Bgr_13140	Bgr_13150	Bgr_13160	Bgr_13170	Bgr_13180
<u>aph</u>	APH_0294	APH_0293	APH_0292	APH_0291	APH_0290	APH_0289	
<u>bmi</u>	BMEA_A1264	BMEA_A1265	BMEA_A1266	BMEA_A1267	BMEA_A1268	BMEA_A1269	BMEA_A1270
<u>bcs</u>	BCAN_A1242	BCAN_A1243	BCAN_A1244	BCAN_A1245	BCAN_A1246	BCAN_A1247	BCAN_A1248
<u>bms</u>	BR1219	BR1220	BR1221	BR1222	BR1223	BR1224	BR1225
<u>nwi</u>	Nwi_1378	Nwi_1377	Nwi_1376	Nwi_1375	Nwi_1374	Nwi_1373	Nwi_1372

<u>bmt</u>	BSUIS_A1268	BSUIS_A1269	BSUIS_A1270	BSUIS_A1271	BSUIS_A1272	BSUIS_A1273	BSUIS_A1274
<u>bov</u>	BOV_1182	BOV_1183	BOV_1184	BOV_1185	BOV_1186	BOV_1187	BOV_1188
<u>nha</u>	Nham_1559	Nham_1558	Nham_1557	Nham_1556	Nham_1555	Nham_1554	Nham_1553
<u>bmr</u>	BMI_I1230	BMI_I1231	BMI_I1232	BMI_I1233	BMI_I1234	BMI_I1235	BMI_I1236
<u>bmb</u>	BruAb1_1224	BruAb1_1225	BruAb1_1226	BruAb1_1227	BruAb1_1228	BruAb1_1229	BruAb1_1230
<u>bra</u>	BRADO3080	BRADO3079	BRADO3078	BRADO3077	BRADO3076	BRADO3075	BRADO3074
<u>rhi</u>	NGR_c12050	NGR_c12040	NGR_c12030	NGR_c12020	NGR_c12010	NGR_c12000	NGR_c11990
<u>ote</u>	Oter_0212	Oter_0213	Oter_0214	Oter_0215	Oter_0216	Oter_0217	Oter_0218
<u>bmc</u>	BAbS19_I11570	BAbS19_I11580	BAbS19_I11590	BAbS19_I11600	BAbS19_I11610	BAbS19_I11620	BAbS19_I11630
<u>cli</u>	Clim_2215	Clim_2216	Clim_2217	Clim_2218	Clim_2219	Clim_2220	
<u>bbt</u>	BBta_5056	BBta_5057	BBta_5058	BBta_5059	BBta_5060	BBta_5061	BBta_5062
<u>gbe</u>	GbCGDNIH1_0568	GbCGDNIH1_0567	GbCGDNIH1_0566	GbCGDNIH1_0565	GbCGDNIH1_0564	GbCGDNIH1_0563	GbCGDNIH1_0562
<u>bmf</u>	BAB1_1241	BAB1_1242	BAB1_1243	BAB1_1244	BAB1_1245	BAB1_1246	BAB1_1247
<u>baf</u>	BAPKO_0520	BAPKO_0519	BAPKO_0518	BAPKO_0517	BAPKO_0516	BAPKO_0515	BAPKO_0514
<u>swi</u>	Swit_1339	Swit_1340	Swit_1341	Swit_1342	Swit_1343	Swit_1344	Swit_1345
<u>pvi</u>	Cvib_0260	Cvib_0259	Cvib_0258	Cvib_0257	Cvib_0256	Cvib_0255	Cvib_0254
<u>zmo</u>	ZMO0530	ZMO0529	ZMO0528	ZMO0527	ZMO0526	ZMO0525	ZMO0524
<u>zmn</u>	Za10_0722	Za10_0723	Za10_0724	Za10_0725	Za10_0726	Za10_0727	Za10_0728
<u>atu</u>	Atu1932	Atu1933	Atu1934	Atu1935	Atu1936	Atu1937	Atu1938
<u>apt</u>	APA01_09450	APA01_09440	APA01_09430	APA01_09420	APA01_09410	APA01_09400	APA01_09390
<u>rpb</u>	RPB_2309	RPB_2308	RPB_2307	RPB_2306	RPB_2305	RPB_2304	RPB_2303
<u>rpd</u>	RPD_3170	RPD_3171	RPD_3172	RPD_3173	RPD_3174	RPD_3175	RPD_3176
<u>bqu</u>	BQ08090	BQ08100	BQ08110	BQ08120	BQ08130	BQ08140	BQ08150
<u>rpt</u>	Rpal_3653	Rpal_3654	Rpal_3655	Rpal_3656	Rpal_3657	Rpal_3658	Rpal_3659
<u>mct</u>	MCR_1571	MCR_1572	MCR_1573	MCR_1574	MCR_1575	MCR_1576	MCR_1577
<u>mpe</u>	MYPE10030	MYPE10040	MYPE10050	MYPE10060	MYPE10070	MYPE10080	
<u>rpa</u>	RPA3236	RPA3237	RPA3238	RPA3239	RPA3240	RPA3241	RPA3242
<u>cpb</u>	Cphamn1_2282	Cphamn1_2283	Cphamn1_2284	Cphamn1_2285	Cphamn1_2286	Cphamn1_2287	Cphamn1_2288
<u>lpp</u>	lpp0408	lpp0407	lpp0406	lpp0405	lpp0404	lpp0403	lpp0402
<u>rsk</u>	RSKD131_0028	RSKD131_0027	RSKD131_0026	RSKD131_0025	RSKD131_0024	RSKD131_0023	RSKD131_0022
<u>lpf</u>	lpl0383	lpl0382	lpl0381	lpl0380	lpl0379	lpl0378	lpl0377
<u>dsh</u>	Dshi_0299	Dshi_0298	Dshi_0297	Dshi_0296	Dshi_0295	Dshi_0294	Dshi_0293

<u>rcp</u>	RCAP_rcc00314	RCAP_rcc00313	RCAP_rcc00312	RCAP_rcc00311	RCAP_rcc00310	RCAP_rcc00309	RCAP_rcc00308
<u>sdl</u>	Sdel_1954	Sdel_1955	Sdel_1956	Sdel_1957	Sdel_1958	Sdel_1959	Sdel_1960
<u>azl</u>	AZL_005950	AZL_005940	AZL_005930	AZL_005920	AZL_005910	AZL_005900	AZL_005890
<u>pla</u>	Plav_2750	Plav_2749	Plav_2748	Plav_2747	Plav_2746	Plav_2745	Plav_2744
<u>mge</u>	MG_165	MG_164	MG_163	MG_162	MG_161	MG_160	MG_159
<u>nis</u>	NIS_0237	NIS_0236	NIS_0235	NIS_0234	NIS_0233	NIS_0232	NIS_0231
<u>wol</u>	WD0667	WD0668	WD0669	WD0670	WD0671	WD0672	WD0673
<u>wri</u>	WRi_005050	WRi_005060	WRi_005070	WRi_005080	WRi_005090	WRi_005100	WRi_005110
<u>eli</u>	ELI_08120	ELI_08125	ELI_08130	ELI_08135	ELI_08140	ELI_08145	ELI_08150
<u>lpn</u>	lpg0343	lpg0342	lpg0341	lpg0340	lpg0339	lpg0338	lpg0337
<u>lpc</u>	LPC_2999	LPC_3000	LPC_3001	LPC_3002	LPC_3003	LPC_3004	LPC_3005
<u>acn</u>	ACIS_00444	ACIS_00443	ACIS_00442	ACIS_00441	ACIS_00440	ACIS_00439	
<u>bhr</u>	BH0492	BH0491	BH0490	BH0489	BH0488	BH0487	BH0486
<u>lpa</u>	lpa_00554	lpa_00553	lpa_00552	lpa_00551	lpa_00550	lpa_00549	lpa_00548
<u>btu</u>	BT0492	BT0491	BT0490	BT0489	BT0488	BT0487	BT0486
<u>wbm</u>	Wbm0327	Wbm0328	Wbm0329	Wbm0330	Wbm0331	Wbm0332	Wbm0333
<u>sno</u>	Snov_1462	Snov_1461	Snov_1460	Snov_1459	Snov_1458	Snov_1457	Snov_1456
<u>bsb</u>	Bresu_1521	Bresu_1520	Bresu_1519	Bresu_1518	Bresu_1517	Bresu_1516	Bresu_1515
<u>fph</u>	Fphi_0573	Fphi_0574	Fphi_0575	Fphi_0576	Fphi_0577	Fphi_0578	Fphi_1925
<u>wpi</u>	WPa_1180	WPa_1179	WPa_1178	WPa_1177	WPa_1176	WPa_1175	
<u>hba</u>	Hbal_2069	Hbal_2070	Hbal_2071	Hbal_2072	Hbal_2073	Hbal_2074	Hbal_2075
<u>bdu</u>	BDU_495	BDU_494	BDU_493	BDU_492	BDU_491	BDU_490	BDU_489
<u>bre</u>	BRE_498	BRE_497	BRE_496	BRE_495	BRE_494	BRE_493	BRE_492
<u>cpc</u>	Cpar_0191	Cpar_0190	Cpar_0189	Cpar_0188	Cpar_0187	Cpar_0186	Cpar_0185
<u>sit</u>	TM1040_0268	TM1040_0267	TM1040_0266	TM1040_0265	TM1040_0264	TM1040_0263	TM1040_0262
<u>sjp</u>	SJA_C1-06410	SJA_C1-06400	SJA_C1-06390	SJA_C1-06380	SJA_C1-06370	SJA_C1-06360	SJA_C1-06350
<u>amf</u>	AMF_682	AMF_683	AMF_684		AMF_686	AMF_687	
<u>cff</u>	CFF8240_0048	CFF8240_0047	CFF8240_0046	CFF8240_0045	CFF8240_0044	CFF8240_0043	
<u>ama</u>	AM897	AM898	AM899	AM900	AM901	AM903	
<u>hya</u>	HY04AAS1_0279	HY04AAS1_0278	HY04AAS1_0277	HY04AAS1_0276	HY04AAS1_0275	HY04AAS1_0274	HY04AAS1_0273
<u>per</u>	Pcryo_0498	Pcryo_0497	Pcryo_0496	Pcryo_0495	Pcryo_0494	Pcryo_0493	Pcryo_0492
<u>hpa</u>	HPAG1_1250	HPAG1_1251	HPAG1_1252	HPAG1_1253	HPAG1_1254	HPAG1_1255	HPAG1_1256

<u>hpg</u>	HPG27_1254	HPG27_1255	HPG27_1256	HPG27_1257	HPG27_1258	HPG27_1259	HPG27_1260
<u>hps</u>	HPSH_06750	HPSH_06755	HPSH_06760	HPSH_06765	HPSH_06770	HPSH_06775	HPSH_06780
<u>hpb</u>	HELPHY_1281	HELPHY_CDS1278 829R	HELPHY_1282	HELPHY_1283	HELPHY_1284	HELPHY_1285	HELPHY_1286
<u>hac</u>	Hac_0149		Hac_0148	Hac_0147	Hac_0146	Hac_0145	Hac_0144
<u>hpp</u>	HPP12_1270		HPP12_1271	HPP12_1272	HPP12_1273	HPP12_1274	HPP12_1275
<u>hpy</u>	HP1305	HP1306	HP1307	HP1308	HP1309	HP1310	HP1311
<u>hpl</u>	HPB8_174	HPB8_173	HPB8_172	HPB8_171	HPB8_170	HPB8_169	HPB8_168
<u>hpi</u>	jhp1225	jhp1226	jhp1227	jhp1228	jhp1229	jhp1230	jhp1231
<u>nar</u>	Saro_1263	Saro_1262	Saro_1261	Saro_1260	Saro_1259	Saro_1258	Saro_1257
<u>par</u>	Psyc_0503	Psyc_0502	Psyc_0501	Psyc_0500	Psyc_0499	Psyc_0498	Psyc_0497
<u>fta</u>	FTA_0265	FTA_0264	FTA_0263	FTA_0262	FTA_0261	FTA_0260	
<u>ftl</u>	FTL_0250	FTL_0249	FTL_0248	FTL_0247	FTL_0246	FTL_0245	
<u>fth</u>	FTH_0245	FTH_0244	FTH_0243	FTH_0242	FTH_0241	FTH_0240	
<u>ftm</u>	FTM_1513	FTM_1514	FTM_1515	FTM_1516	FTM_1517	FTM_1518	FTM_1519
<u>ftf</u>	FTF0339	FTF0338	FTF0337	FTF0336	FTF0335	FTF0334	FTF0333
<u>ftw</u>	FTW_1744	FTW_1745	FTW_1746	FTW_1747	FTW_1748	FTW_1749	FTW_2082
<u>ftu</u>	FTT_0339	FTT_0338	FTT_0337	FTT_0336	FTT_0335	FTT_0334	FTT_0333
<u>ftn</u>	FTN_0253	FTN_0252	FTN_0251	FTN_0250	FTN_0249	FTN_0248	FTN_0247
<u>cco</u>	CCC13826_1763	CCC13826_1764	CCC13826_1765	CCC13826_1766	CCC13826_1767	CCC13826_1768	CCC13826_1769
<u>cjd</u>	JJD26997_2067	JJD26997_2068	JJD26997_2069	JJD26997_2070	JJD26997_2071	JJD26997_2072	
<u>cjr</u>	CJE1861	CJE1862	CJE1863	CJE1864	CJE1865	CJE1866	
<u>cla</u>	Cl_a_0073	Cl_a_0072	Cl_a_0071	Cl_a_0070	Cl_a_0069	Cl_a_0068	Cl_a_0067
<u>xop</u>	PXO_04507	PXO_04508	PXO_04509	PXO_04510	PXO_04511	PXO_04512	PXO_04513
<u>las</u>	CLIBASIA_00660	CLIBASIA_00665	CLIBASIA_00670	CLIBASIA_00675	CLIBASIA_00680	CLIBASIA_00685	CLIBASIA_00690
<u>cjj</u>	CJJ81176_1690	CJJ81176_1691	CJJ81176_1692	CJJ81176_1693	CJJ81176_1694	CJJ81176_1695	
<u>cje</u>	Cj1693c	Cj1694c	Cj1695c	Cj1696c	Cj1697c	Cj1698c	
<u>cju</u>	C8J_1597	C8J_1598	C8J_1599	C8J_1600	C8J_1601	C8J_1602	
<u>mag</u>	amb3116	amb3117	amb3118	amb3119	amb3120	amb3121	amb3122
<u>ots</u>	OTBS_0362	OTBS_0363	OTBS_0364	OTBS_0365	OTBS_0366	OTBS_0367	
<u>tdn</u>	Suden_0300	Suden_0299	Suden_0298	Suden_0297	Suden_0296	Suden_0295	
<u>nam</u>	NAMH_1627	NAMH_1628	NAMH_1629	NAMH_1630	NAMH_1631	NAMH_1632	NAMH_1633

<u>cse</u>	Cseg_1505	Cseg_1504	Cseg_1503	Cseg_1502	Cseg_1501	Cseg_1500	Cseg_1499
<u>avn</u>	Avin_06390	Avin_06380	Avin_06370	Avin_06360	Avin_06350	Avin_06340	Avin_06330
<u>sal</u>	Sala_2804	Sala_2805	Sala_2806	Sala_2807	Sala_2808	Sala_2809	Sala_2810
<u>ott</u>	OTT_1058	OTT_1057	OTT_1056	OTT_1055	OTT_1054	OTT_1053	
<u>ccs</u>	CCNA_01320	CCNA_01319	CCNA_01318	CCNA_01317	CCNA_01316	CCNA_01315	CCNA_01314
<u>ccr</u>	CC_1262	CC_1261	CC_1260	CC_1259	CC_1258	CC_1257	CC_1256
<u>pzu</u>	PHZ_c1244	PHZ_c1243	PHZ_c1242	PHZ_c1241	PHZ_c1240	PHZ_c1239	PHZ_c1238
<u>ech</u>	ECH_0423	ECH_0422	ECH_0421	ECH_0420	ECH_0419	ECH_0418	
<u>caj</u>	Caul_1628	Caul_1627	Caul_1626	Caul_1625	Caul_1624	Caul_1623	Caul_1622
<u>cha</u>	CHAB381_0098	CHAB381_0097	CHAB381_0096	CHAB381_0095	CHAB381_0094	CHAB381_0093	
<u>hms</u>	HMU10410	HMU10420	HMU10430	HMU10440	HMU10450	HMU10460	HMU10470
<u>sun</u>	SUN_2335	SUN_2334	SUN_2333	SUN_2332	SUN_2331	SUN_2330	
<u>ecn</u>	Ecaj_0598	Ecaj_0599	Ecaj_0600	Ecaj_0601	Ecaj_0602	Ecaj_0603	
<u>eru</u>	Erum5940	Erum5950	Erum5960	Erum5970	Erum5980	Erum5990	
<u>wsu</u>	WS1703		WS1704	WS1705	WS1706	WS1707	<u>WS1707a</u>
<u>rtj</u>	RT0637	RT0638	RT0639	RT0640	RT0641	RT0642	RT0643
<u>hhe</u>	HH1392		HH1390	HH1389	HH1388	HH1387	
<u>erw</u>	ERWE_CDS_0624	ERWE_CDS_0625	ERWE_CDS_0626	ERWE_CDS_0627	ERWE_CDS_0628	ERWE_CDS_0629	
	0	0	0	0	0	0	
<u>erg</u>	ERGA_CDS_0615	ERGA_CDS_0616	ERGA_CDS_0617	ERGA_CDS_0618	ERGA_CDS_0619	ERGA_CDS_0620	
	0	0	0	0	0	0	
<u>abc</u>	ACICU_03264	ACICU_03265	ACICU_03266	ACICU_03267	ACICU_03269	ACICU_03270	ACICU_03271
<u>acb</u>	A1S_3067	A1S_3068	A1S_3069	A1S_3070	A1S_3071	A1S_3072	A1S_3073
<u>rfe</u>	RF_0292	RF_0291	RF_0290	RF_0289	RF_0288	RF_0287	RF_0286
<u>rpr</u>	RP645	RP646	RP647	RP648	RP649	RP650	RP651
<u>rri</u>	A1G_05485	A1G_05490	A1G_05495	A1G_05500	A1G_05505	A1G_05510	A1G_05515
<u>rrj</u>	RrIowa_1183	RrIowa_1184	RrIowa_1185	RrIowa_1186	RrIowa_1187	RrIowa_1188	RrIowa_1189
<u>rco</u>	RC0992	RC0993	RC0994	RC0995	RC0996	RC0997	RC0998
<u>rpj</u>	RPR_06160	RPR_06165	RPR_06170	RPR_06175	RPR_06180	RPR_06185	RPR_06190
<u>raf</u>	RAF_ORF0898	RAF_ORF0899	RAF_ORF0900	RAF_ORF0901	RAF_ORF0902	RAF_ORF0903	RAF_ORF0904
<u>rak</u>	A1C_05035	A1C_05040	A1C_05045	A1C_05050	A1C_05055	A1C_05060	A1C_05065
<u>rcm</u>	A1E_04300	A1E_04305	A1E_04310	A1E_04315	A1E_04320	A1E_04325	A1E_04330
<u>rbo</u>	A1I_02105	A1I_02100	A1I_02095	A1I_02090	A1I_02085	A1I_02080	A1I_02075

<u>rms</u>	RMA_1026	RMA_1027	RMA_1028	RMA_1029	RMA_1030	RMA_1031	RMA_1032
<u>rbe</u>	RBE_1048	RBE_1049	RBE_1050	RBE_1051	RBE_1052	RBE_1053	RBE_1054
<u>aae</u>	aq_1651	aq_1651a	aq_1652	aq_1653	aq_1654	aq_020	aq_018a
<u>min</u>	Minf_0697	Minf_0696	Minf_0695	Minf_0694	Minf_0693	Minf_0692	
<u>ccv</u>	CCV52592_1019	CCV52592_1020	CCV52592_1021	CCV52592_1022	CCV52592_1023	CCV52592_1024	CCV52592_1025
<u>abu</u>	Abu_0766	Abu_0765	Abu_0764	Abu_0763	Abu_0762	Abu_0761	
<u>ant</u>	Arnit_1117	Arnit_1116	Arnit_1115	Arnit_1114	Arnit_1113	Arnit_1112	
<u>nri</u>	NRI_0271	NRI_0270	NRI_0269		NRI_0267	NRI_0266	
<u>rci</u>	RCIX2561	RCIX2559	RCIX2558	RCIX2556	RCIX2554	RCIX2553	RCIX2549
<u>mla</u>	Mlab_0096	Mlab_0095	Mlab_0094		Mlab_0091	Mlab_0090	
<u>mpd</u>	MCP_2236	MCP_2235	MCP_2234		MCP_2231	MCP_2230	MCP_2227
<u>nse</u>	NSE_0280	NSE_0279	NSE_0278		NSE_0276	NSE_0275	
<u>mem</u>	Memar_0579	Memar_0578	Memar_0577		Memar_0574	Memar_0573	Memar_0571
<u>abi</u>	Aboo_1506	Aboo_1507	Aboo_1508	Aboo_1510	Aboo_1511	Aboo_1512	Aboo_1514
<u>tga</u>	TGAM_1987	TGAM_1988	TGAM_1989	TGAM_1991	TGAM_1992	TGAM_1993	TGAM_1996
<u>mmg</u>	MTBMA_c05070	MTBMA_c05060	MTBMA_c05050		MTBMA_c05020	MTBMA_c05010	MTBMA_c04980
<u>mst</u>	Msp_0893	Msp_0894	Msp_0895		Msp_0898	Msp_0899	Msp_0902
<u>msi</u>	Msm_0746	Msm_0747	Msm_0748		Msm_0751	Msm_0752	Msm_0755
<u>mja</u>	MJ_0470	MJ_0469.1	MJ_0469	MJ_0467	MJ_0466	MJ_0465	MJ_0462
<u>mfe</u>	Mefer_0681	Mefer_0682	Mefer_0683	Mefer_0685	Mefer_0686	Mefer_0687	Mefer_0690
<u>mfs</u>	MFS40622_1741	MFS40622_1740	MFS40622_1739	MFS40622_1737	MFS40622_1736	MFS40622_1735	MFS40622_1732
<u>mif</u>	Metin_0621		Metin_0623	Metin_0625	Metin_0626	Metin_0627	Metin_0630
<u>mru</u>	mru_0867	mru_0866	mru_0865	mru_0863	mru_0862	mru_0861	mru_0858
<u>hal</u>	VNG1707G		VNG1705G		VNG1701G	VNG1700G	VNG1698G
<u>mvu</u>	Metvu_0216	Metvu_0217	Metvu_0218	Metvu_0220	Metvu_0221	Metvu_0222	Metvu_0225
<u>tsi</u>	TSIB_0304	TSIB_0303	TSIB_0302	TSIB_0300	TSIB_0299	TSIB_0298	TSIB_0295
<u>hsl</u>	OE3410F		OE3407F		OE3402F	OE3400F	OE3396F
<u>mth</u>	MTH18	MTH17	MTH16		MTH13	MTH12	MTH9
<u>mpl</u>	Mpal_0457	Mpal_0456	Mpal_0455		Mpal_0452	Mpal_0451	
<u>pab</u>	PAB2131	PAB7080	PAB2130	PAB2128	PAB2436	PAB2127	PAB8082
<u>mae</u>	Maeo_1399	Maeo_1398	Maeo_1397		Maeo_1394	Maeo_1393	Maeo_1390
<u>ton</u>	TON_0081	TON_0080	TON_0079	TON_0077	TON_0076	TON_0075	TON_0073
<u>mtp</u>	Mthe_1713	Mthe_1714	Mthe_1715		Mthe_1718	Mthe_1719	Mthe_1721



<u>dps</u>	DP1138	DP1137	DP1136	DP1135	DP1134	DP1133	DP1132
<u>mbn</u>	Mboo_0547	Mboo_0546	Mboo_0545		Mboo_0542	Mboo_0541	
<u>mmh</u>	Mmah_1351	Mmah_1352	Mmah_1353		Mmah_1356	Mmah_1357	Mmah_1359
<u>mbu</u>	Mbur_0016	Mbur_0015	Mbur_0014		Mbur_0011	Mbur_0010	Mbur_0008
<u>mpi</u>	Mpet_2203	Mpet_2202	Mpet_2201		Mpet_2198	Mpet_2197	
<u>pho</u>	PH1764	PHS047	PH1765	PH1767	PH1768	PH1770	PHS048
<u>mvo</u>	Mvol_1048	Mvol_1049	Mvol_1050	Mvol_1052	Mvol_1053	Mvol_1054	Mvol_1057
<u>mma</u>	MM_2139	MM_2138	MM_2137		MM_2134	MM_2133	MM_2131
<u>tko</u>	TK1526	TK1527	TK1528		TK1531	TK1532	TK1535
<u>mmp</u>	MMP1414	MMP1413	MMP1412	MMP1410	MMP1409	MMP1408	MMP1405
<u>mmq</u>	MmarC5_0164	MmarC5_0165	MmarC5_0166	MmarC5_0168	MmarC5_0169	MmarC5_0170	MmarC5_0173
<u>mac</u>	MA1087	MA1086	MA1085		MA1082	MA1081	MA1079
<u>sis</u>	LS215_1530	LS215_1529	LS215_1528	LS215_1526	LS215_1525	LS215_1524	LS215_1522
<u>sia</u>	M1425_1435	M1425_1434	M1425_1433	M1425_1431	M1425_1430	M1425_1429	M1425_1427
<u>afu</u>	AF1910	AF1911	AF1912	AF1914	AF1915	AF1916	AF1918
<u>sim</u>	M1627_1485	M1627_1484	M1627_1483	M1627_1481	M1627_1480	M1627_1479	M1627_1477
<u>sid</u>	M164_1429	M164_1428	M164_1427	M164_1425	M164_1424	M164_1423	M164_1421
<u>pfu</u>	PF1809	PF1810	PF1811	PF1813	PF1814	PF1815	PF1818
<u>hbu</u>	Hbut_1315	Hbut_1314	Hbut_1313	Hbut_1311	Hbut_1310	Hbut_1309	Hbut_1307
<u>sii</u>	LD85_1640	LD85_1639	LD85_1638	LD85_1636	LD85_1635	LD85_1634	LD85_1632
<u>siy</u>	YG5714_1430	YG5714_1429	YG5714_1428	YG5714_1426	YG5714_1425	YG5714_1424	YG5714_1422
<u>sin</u>	YN1551_1413	YN1551_1414	YN1551_1415	YN1551_1417	YN1551_1418	YN1551_1419	YN1551_1421
<u>iho</u>	Igni_1413	Igni_1412	Igni_1411	Igni_1409	Igni_1408	Igni_1407	Igni_0591
<u>mmx</u>	MmarC6_1259	MmarC6_1260	MmarC6_1261	MmarC6_1263	MmarC6_1264	MmarC6_1265	MmarC6_1268
<u>mmz</u>	MmarC7_0659	MmarC7_0658	MmarC7_0657	MmarC7_0655	MmarC7_0654	MmarC7_0653	MmarC7_0650
<u>mvn</u>	Mevan_0725	Mevan_0724	Mevan_0723	Mevan_0721	Mevan_0720	Mevan_0719	Mevan_0716
<u>asc</u>	ASAC_0223	ASAC_0224	ASAC_0225		ASAC_0228	ASAC_0229	ASAC_0231
<u>mba</u>	Mbar_A0095	Mbar_A0096	Mbar_A0097		Mbar_A0100	Mbar_A0101	Mbar_A0103
<u>sso</u>	SSO0703	SSO6391	SSO0704	SSO0707	SSO0708	SSO0709	SSO6397
<u>tvo</u>	TVN0340	TVN0339	TVN0338		TVN0335	TVN0334	TVN0331
<u>htu</u>	Htur_2233		Htur_2231		Htur_2228	Htur_2227	Htur_2225
<u>tac</u>	Ta1256	Ta1257	Ta1258		Ta1261	Ta1262	Ta1264a
<u>hvo</u>	HVO_2549	HVO_2550	HVO_2551		HVO_2554	HVO_2555	HVO_2557

<u>hwa</u>	HQ2827A		HQ2829A		HQ2832A	HQ2833A	HQ2835A
<u>tpe</u>	Tpen_0240	Tpen_0241	Tpen_0242	Tpen_0244	Tpen_0483		Tpen_0487
<u>hmu</u>	Hmuk_1843		Hmuk_1841		Hmuk_1838	Hmuk_1837	Hmuk_1835
<u>pto</u>	PTO0655	PTO0654	PTO0653	PTO0651	PTO0650	PTO0649	PTO0647
<u>nmg</u>	Nmag_0225		Nmag_0223		Nmag_0220	Nmag_0219	Nmag_0217
<u>mka</u>	MK1223	MK1222	MK1221	MK1219	MK1218	MK1217	MK0843
<u>shc</u>	Shell_1429		Shell_1431	Shell_1433	Shell_1434	Shell_1435	Shell_1437
<u>ape</u>	APE_0352.1	APE_0352a	APE_0354.1	APE_0358	APE_0359	APE_0360.1	APE_0362a
<u>mev</u>	Metev_0843	Metev_0844	Metev_0845		Metev_0848	Metev_0849	Metev_0851
<u>hma</u>	rrnAC1597		rrnAC1598		rrnAC1602	rrnAC1603	rrnAC1604
<u>tag</u>	Tagg_0862	Tagg_0861	Tagg_0860	Tagg_0858	Tagg_0857	Tagg_0856	Tagg_0854
<u>smr</u>	Smar_1034	Smar_1033	Smar_1032	Smar_1030	Smar_1029	Smar_1028	Smar_1026
<u>hje</u>	HacjB3_05105		HacjB3_05095		HacjB3_05080	HacjB3_05075	HacjB3_05065
<u>apo</u>	Arcpr_1346	Arcpr_1347	Arcpr_1348	Arcpr_1350	Arcpr_1351	Arcpr_1352	Arcpr_1354
<u>mse</u>	Msed_0106	Msed_0105	Msed_0104	Msed_0102	Msed_0101	Msed_0100	Msed_0098
<u>hla</u>	Hlac_2434		Hlac_2436		Hlac_2439	Hlac_2440	Hlac_2442
<u>dka</u>	DKAM_1160	DKAM_1161	DKAM_1162	DKAM_1164	DKAM_1165	DKAM_1166	DKAM_1168
<u>fpl</u>	Ferp_1151	Ferp_1150	Ferp_1149	Ferp_1147	Ferp_1146	Ferp_1145	Ferp_1143
<u>sto</u>	ST0419	STS059	ST0420		ST0422		
<u>nph</u>	NP4884A		NP4880A		NP4874A	NP4872A	NP4868A
<u>kcr</u>	Kcr_1565		Kcr_1563		Kcr_1560	Kcr_1185	
<u>mhu</u>	Mhun_2238	Mhun_2239	Mhun_2240	Mhun_2242	Mhun_2243	Mhun_2244	Mhun_2246
<u>sai</u>	Saci_0582	Saci_0583	Saci_0584		Saci_0587		Saci_0590
<u>hut</u>	Huta_2307		Huta_2305		Huta_2302	Huta_2301	Huta_2299
<u>hci</u>	HCDSEM_085	HCDSEM_084	HCDSEM_083		HCDSEM_081	HCDSEM_080	
<u>pis</u>	Pisl_1865	Pisl_1864	Pisl_0764	Pisl_0559	Pisl_0513	Pisl_1706	Pisl_1728
<u>pai</u>	PAE2098	PAE2097	PAE3575	PAE3312	PAE3136	PAE1730	PAE1778
<u>tne</u>	Tneu_1257	Tneu_1258	Tneu_0907	Tneu_1549	Tneu_1596	Tneu_0725	Tneu_0746
<u>pas</u>	Pars_2009	Pars_2010	Pars_2221	Pars_1729	Pars_1682	Pars_0773	Pars_0768
<u>pcl</u>	Pcal_0176	Pcal_0177	Pcal_2000	Pcal_1748	Pcal_1784	Pcal_0628	Pcal_0552
<u>nmr</u>	Nmar_0795		Nmar_0797		Nmar_0800		

Organism names are based on the KEGG database.