

**SUPPLEMENTARY MATERIAL to Auweter et al.**

Supplementary Table S1

Supplementary Table S1. Complete list of proteins identified in the secretion analysis. Number of peptides identified for each protein (Peptide Counts), posterior error probability (PEP), heavy-to-light ratio and ratio variability are shown for each protein. <sup>a</sup> no entry denotes an *S. Typhimurium* SL1344-specific protein.

ID <sup>a</sup>	Unique Peptides	PEP	Ratio H/L Normalized
PSLT037	11	1.85E-98	11
PSLT038	5	1.23E-26	11
STM0469	4	4.15E-20	11
STM0972	9	3.81E-31	11
STM1224	9	2.32E-53	11
STM1398	14	1.55E-175	11
STM1400	26	0	11
STM1401	6	6.96E-101	11
STM1631	4	1.91E-26	11
STM1698	10	3.01E-26	11
STM1055	1	0.018551	8.5383
STM2585	1	0.00024031	5.8228
STM1583	13	1.38E-178	3.9662
STM1540	14	2.10E-296	2.9847
STM2817	3	3.01E-22	2.8741
STM2444	12	1.27E-58	2.7342
STM2287	2	2.52E-05	2.7283
STM2780	3	1.87E-21	2.6272
STM1263	9	2.55E-56	2.6224
STM0781	8	8.03E-79	2.5248
STM3053	31	0	2.4934
STM1119	6	1.57E-62	2.4744
STM1891	14	2.33E-193	2.449
STM4561	7	2.96E-70	2.4445
STM1033	4	4.37E-07	2.3654
STM1123	1	0.031745	2.3579
STM0366	2	1.10E-74	2.2539
STM1088	4	2.61E-19	2.2375
STM1503	1	1.45E-11	2.1629
STM2892	5	5.98E-82	2.1548
STM3159	2	8.91E-28	2.1371
STM1408	2	3.22E-08	2.0995
STM1720	1	1.06E-09	2.0423
STM1249	4	6.16E-86	1.9899
STM1445	7	2.05E-200	1.9537
STM4336	1	1.26E-126	1.947
STM0823	1	1.45E-20	1.9383

STM1585	1	1.19E-11	1.9033
STM4242	9	0	1.8905
STM2066	5	6.89E-50	1.8881
STM4556	2	0.01073	1.8636
STM2607	1	4.29E-21	1.8594
STM2276	2	7.36E-15	1.8238
STM3884	7	1.22E-201	1.8061
STM3007	1	2.42E-05	1.7979
STM2885	17	0	1.7811
STM0750	13	0	1.7797
STM1873	1	0.080755	1.7781
STM1805	3	5.64E-13	1.7763
STM0209	15	1.37E-298	1.7709
STM0181	5	2.12E-09	1.7616
STM3307	3	6.65E-09	1.7603
STM3176	1	0.00016622	1.7548
STM0594	3	4.72E-11	1.7321
STM1752	3	1.41E-09	1.7318
STM1327	6	3.65E-41	1.7177
STM0510	4	1.70E-31	1.6973
STM0697	4	1.01E-30	1.6953
STM2447	2	1.84E-47	1.6886
STM1091	21	1.95E-192	1.6868
STM4084	7	7.71E-25	1.6813
STM1269	1	1.46E-28	1.6669
STM2884	23	0	1.6508
STM2077	5	2.90E-41	1.6324
STM1954	17	3.04E-128	1.6289
STM3043	4	9.58E-18	1.6275
STM1207	6	2.17E-155	1.617
STM0397	4	6.42E-23	1.6163
STM4351	2	1.07E-07	1.608
STM1157	11	3.54E-104	1.6063
STM0849	17	5.57E-219	1.6036
STM3267	11	0	1.5889
STM3453	22	0	1.5864
	4	9.86E-40	1.5856
STM2224	7	5.19E-73	1.5842
STM1135	2	0.00033915	1.5731
STM2882	5	6.27E-34	1.5731
STM1633	9	2.45E-60	1.5729
STM3809	2	1.03E-11	1.5727
STM1816	5	5.87E-32	1.5675
STM4149	6	4.44E-106	1.5647
STM4148	7	5.45E-95	1.5573
STM1308	4	0.00040104	1.553
STM3316	2	2.78E-21	1.5522
STM3957	11	4.30E-242	1.5479
STM2621	2	2.80E-23	1.5419

STM4059	5	4.09E-45	1.5373
STM2277	5	3.18E-31	1.5352
STM2685	1	3.37E-40	1.5331
STM1191	1	2.81E-48	1.5264
	6	1.22E-185	1.5234
STM1311	6	6.84E-103	1.5214
SeKA_C0115	16	0	1.5163
STM4063	14	4.88E-185	1.5086
STM0724	1	0.044758	1.5083
STM2076	4	7.45E-34	1.5056
STM0597	2	1.47E-21	1.5025
STM3424	3	0.0015285	1.4986
STM0877	10	1.48E-208	1.4959
STM1661	7	3.30E-66	1.4902
STM1065	3	6.29E-46	1.4896
STM1251	2	4.45E-18	1.4888
STM3857	17	9.30E-280	1.4856
STM0082	1	7.66E-134	1.4758
STM4231	8	3.21E-209	1.469
STM0890	8	6.85E-47	1.4653
STM3031	1	0.085561	1.4647
STM0748	25	0	1.4603
STM3264	27	0	1.4599
STM0445	3	8.13E-104	1.4475
SLP3_0001	10	1.72E-200	1.4471
STM0306	12	0	1.4462
STM1783	2	1.55E-43	1.4458
STM2612	3	2.18E-32	1.441
STM1647	4	7.43E-46	1.4336
STM0638	10	3.31E-212	1.4326
STM0447	17	6.27E-266	1.4302
STM1587	6	1.13E-91	1.43
PSLT103	11	7.51E-302	1.4225
	6	1.17E-71	1.4215
STM0081	3	1.28E-08	1.413
STM0322	7	5.89E-22	1.4105
STM4587	3	1.18E-24	1.4012
STM2370	3	1.61E-66	1.401
STM1718	2	3.30E-11	1.3953
STM0959	4	8.02E-42	1.3924
STM1717	4	7.69E-88	1.3924
STM0485	3	2.41E-116	1.3911
STM1222	24	0	1.3909
STM2487	4	6.89E-53	1.3907
STM3630	28	0	1.3901
STM2925	12	4.22E-211	1.3851
STM3348	17	4.89E-294	1.3827
STM0749	7	1.17E-216	1.3812
STM2777	41	0	1.3787

STM1799	7	4.39E-68	1.3776
PSLT046	5	4.86E-17	1.3751
STM3425	12	2.84E-260	1.3731
STM3445	28	0	1.3717
STM3342	7	3.01E-70	1.3704
STM1815	8	9.95E-156	1.3656
STM0414	5	5.96E-54	1.3646
STM1246	17	0	1.3628
STM2604	5	1.10E-18	1.3596
STM0739	6	1.22E-82	1.3562
STM1366	2	3.93E-29	1.3561
STM3112	5	1.61E-22	1.3555
STM3407	4	1.03E-32	1.3518
STM1286	11	0	1.3457
STM1328	15	0	1.3452
STM0108	10	1.75E-102	1.3438
STM1855	9	2.12E-105	1.3422
STM3107	3	1.10E-09	1.342
STM1435	2	5.24E-07	1.3406
STM3869	2	1.46E-19	1.3345
STM3997	4	1.50E-92	1.3345
STM3565	2	3.00E-67	1.3305
STM4363	5	9.40E-14	1.3289
STM2988	6	4.44E-11	1.3273
STM1947	3	2.01E-37	1.3268
STM1964	10	4.13E-178	1.3263
STM2098	7	7.05E-90	1.3263
STM0833	10	0	1.323
STM4229	7	1.32E-81	1.3229
STM2354	14	3.25E-284	1.3215
STM0244	6	1.83E-174	1.3213
STM0830	9	3.37E-245	1.321
STM1700	11	1.28E-173	1.3198
STM3310	8	6.93E-74	1.3188
PSLT009	6	5.12E-114	1.3138
STM3077	9	4.71E-116	1.3138
STM3440	7	1.17E-52	1.312
STM1195	7	4.22E-127	1.3114
STM0786	6	8.32E-163	1.3098
STM3051	4	1.16E-05	1.3078
STM4164	6	6.06E-73	1.3068
STM2634	2	3.56E-24	1.3043
STM0793	3	3.69E-95	1.3038
STM3494	1	5.17E-20	1.2944
STM3644	4	7.18E-129	1.2936
STM0647	6	1.15E-96	1.2928
STM3505	2	5.10E-28	1.292
STM4339	5	2.03E-40	1.2915
STM3645	6	3.35E-169	1.2888

STM0779	2	0.00045006	1.2883
STM0665	10	6.08E-160	1.2882
STM0406	1	9.95E-12	1.2845
STM4582	8	2.98E-41	1.2783
STM2267	18	0	1.2763
STM0213	14	1.90E-258	1.2759
STM3065	12	8.65E-191	1.2756
STM0570	7	2.15E-103	1.2753
STM3036	6	1.24E-33	1.2718
STM1586	23	0	1.2707
STM1254	2	4.98E-43	1.2702
STM0067	6	4.43E-120	1.2677
STM0931	4	4.27E-51	1.2634
STM0628	10	2.27E-144	1.2616
STM3029	3	1.26E-37	1.2572
STM3567	6	3.67E-80	1.2571
STM3443	9	9.90E-163	1.257
STM4096	5	1.43E-37	1.2569
STM1044	11	2.67E-168	1.2567
STM1879	3	7.42E-09	1.252
	7	2.02E-57	1.2484
STM1711	4	5.78E-06	1.2372
STM0999	17	0	1.2351
STM2878	8	7.69E-44	1.2339
STM3580	8	2.17E-205	1.2331
STM2831	2	0.0012226	1.2319
STM3417	5	3.95E-125	1.2305
STM1377	4	6.05E-105	1.2285
STM0585	32	0	1.227
STM3448	4	1.44E-16	1.2255
STM4512	12	1.96E-213	1.2254
STM4292	2	2.61E-11	1.2253
STM0191	27	0	1.225
STM0263	1	0.081508	1.2248
STM0633	3	1.94E-24	1.2239
STM1431	7	9.92E-107	1.2239
STM1242	6	2.10E-40	1.223
STM2395	24	0	1.2219
STM1343	5	1.62E-44	1.2183
STM2146	6	1.85E-176	1.2146
STM0364	23	0	1.2142
STM1070	27	0	1.2135
STM4460	2	1.36E-07	1.2129
STM0224	26	0	1.2122
STM2818	4	7.79E-27	1.2118
STM1008	4	1.32E-69	1.2109
	5	7.42E-60	1.209
	4	4.10E-150	1.2076
STM1784	8	1.17E-37	1.2064

STM1599	8	8.49E-59	1.2057
STM4130	13	1.52E-110	1.2025
STM2498	9	1.05E-179	1.1994
STM1567	8	3.82E-132	1.1991
STM3233	3	4.00E-11	1.197
	6	4.15E-59	1.1937
	6	6.32E-191	1.1933
STM3062	12	6.84E-117	1.1919
	3	0.0024053	1.1917
STM2559	42	0	1.1901
STM2861	17	2.59E-293	1.19
STM1751	9	7.16E-192	1.1891
STM3977	2	1.52E-25	1.1881
STM3502	8	6.32E-48	1.1856
STM1607	8	3.28E-148	1.1842
STM2190	12	2.19E-242	1.1837
STM3380	7	3.25E-57	1.1823
STM2270	4	3.99E-26	1.1821
STM2430	17	0	1.178
STM0822	3	2.01E-23	1.1734
STM4176	3	4.19E-07	1.1731
STM3345	8	2.73E-52	1.1719
STM4598	8	9.23E-96	1.1695
STM3868	6	4.61E-72	1.1678
STM1746	30	0	1.1674
STM4403	15	1.48E-102	1.1671
STM1800	11	3.00E-238	1.1649
STM2488	11	2.81E-124	1.1649
STM3472	2	0.00019991	1.1642
STM4081	19	0	1.1639
STM2122	2	3.02E-05	1.1631
STM1572	12	1.67E-170	1.1619
STM1819	5	1.80E-79	1.1608
STM2391	9	3.55E-145	1.1607
STM1210	2	1.16E-13	1.16
	2	0.010841	1.1599
STM4062	7	1.73E-79	1.1596
STM0092	11	8.71E-200	1.1555
STM3040	2	3.87E-14	1.1551
STM3595	14	5.24E-242	1.1544
STM0837	10	1.80E-80	1.1506
STM4077	2	0.00043276	1.1495
STM2165	8	1.02E-55	1.1482
STM1679	12	1.87E-124	1.1474
STM1478	11	2.08E-164	1.14
STM2605	4	1.25E-44	1.1391
STM0711	1	3.65E-70	1.1386
STM0963	4	1.98E-32	1.1385
STM3209	6	2.08E-26	1.1374

STM3557	27	0	1.1368
STM0186	4	2.66E-65	1.1354
STM3594	5	3.21E-39	1.1331
STM1449	9	3.19E-154	1.1301
STM4415	6	1.30E-15	1.1296
	11	4.58E-193	1.1289
STM3319	6	8.16E-55	1.1285
STM3041c	3	3.46E-28	1.1276
STM3038	9	2.50E-71	1.1249
	9	0	1.1235
STM1778	9	5.36E-118	1.1229
STM2791	4	1.30E-11	1.1227
STM1117	5	1.35E-35	1.1185
STM4192	2	7.10E-11	1.1176
STM1330	9	1.48E-77	1.1165
STM0413	10	8.88E-222	1.115
STM2829	12	1.03E-275	1.1132
STM4171	2	1.88E-15	1.1125
	5	3.74E-58	1.1102
STM2813	2	2.88E-18	1.1094
STM1433	3	5.30E-24	1.1089
STM0488	8	6.13E-102	1.1079
STM3898	6	2.86E-16	1.1076
STM2294	8	8.50E-239	1.1072
STM1302	4	4.57E-29	1.1064
STM0617	12	0	1.1059
STM3853	3	3.74E-18	1.1029
STM2199	38	0	1.1025
STM2544	6	7.09E-136	1.1013
	2	2.57E-23	1.0991
STM1909	16	2.23E-183	1.0978
STM2681	10	1.53E-133	1.0948
STM2949	4	9.96E-25	1.089
STM2545	6	4.48E-85	1.0857
STM3423	7	9.09E-205	1.0843
STM3186	13	3.93E-242	1.0821
STM1310	2	0.0021941	1.0813
STM3286	1	2.93E-06	1.0804
STM2603	28	0	1.0792
STM2366	4	3.19E-14	1.0774
STM3063	7	3.50E-131	1.0743
STM3464	5	9.03E-82	1.0736
STM4490	2	0.083027	1.0725
STM4163	6	2.29E-72	1.0721
STM1197	5	3.70E-49	1.07
STM0930	2	3.57E-29	1.0699
STM0166	5	7.29E-97	1.0649
STM3466	9	8.08E-117	1.0649
STM1216	1	0.03431	1.0646

STM1796	22	1.03E-300	1.0639
STM0216	16	3.22E-268	1.0618
STM2673	4	7.99E-28	1.0613
STM2520	12	0	1.0612
STM0504	2	9.45E-06	1.0603
STM2392	6	1.19E-70	1.0596
STM1508	3	0.010043	1.0558
STM1622	10	6.47E-103	1.0557
STM3839	2	0.00078631	1.0491
STM3214	4	2.42E-05	1.0478
STM0225	7	1.69E-119	1.0462
STM0614	7	7.64E-266	1.0459
STM0415	2	4.00E-27	1.0454
STM2748	2	3.60E-148	1.0452
SLP2_0020	4	4.21E-13	1.0434
STM4567	10	2.55E-97	1.0418
STM3686	7	4.16E-35	1.0415
STM1886	5	1.25E-08	1.041
STM1560	4	2.02E-19	1.0391
STM3727	2	2.84E-81	1.0383
STM2606	5	8.55E-06	1.0379
STM3441	9	1.01E-138	1.0374
STM3060	2	7.25E-19	1.036
STM3429	9	2.67E-148	1.0331
STM4368	12	1.00E-117	1.0324
STM3436	3	4.69E-18	1.0321
STM3837	7	5.70E-70	1.0317
STM3285	6	5.41E-120	1.0312
STM2347	2	3.83E-56	1.0299
STM3428	16	0	1.0296
STM0012	34	0	1.0292
STM2799	7	4.13E-141	1.0269
	1	1.07E-26	1.0263
STM2093	3	9.13E-11	1.025
STM2872	2	1.68E-43	1.0247
STM0696	2	1.01E-13	1.0245
	6	3.27E-251	1.0243
STM3374	13	2.13E-208	1.0227
STM2337	7	4.15E-108	1.0211
STM0641	2	1.80E-14	1.0203
STM2072	12	6.92E-111	1.0179
STM0043	4	1.86E-56	1.0174
STM2526	8	9.07E-157	1.0156
STM2245	12	4.82E-234	1.0126
STM1080	3	1.53E-31	1.0107
STM3296	5	3.38E-15	1.0103
STM3426	10	9.56E-111	1.0079
STM0093	7	6.62E-104	1.0072
STM4391	8	3.97E-211	1.0064



STM2090	16	2.00E-147	1.004
STM3316	3	1.16E-31	1.0036
STM2983	2	3.89E-77	1.0016
STM2403	3	2.61E-31	0.99872
SLP2_0019	3	1.06E-26	0.99631
STM0245	11	2.58E-273	0.9959
STM4319	17	0	0.99554
STM3090	9	7.78E-55	0.99105
STM4393	4	2.85E-75	0.99017
STM3613	3	0.0019315	0.98836
STM2073	11	3.11E-193	0.97855
STM1882	6	2.40E-17	0.97811
STM3093	3	8.05E-21	0.97632
STM4089	5	1.35E-93	0.97386
STM2355	5	5.47E-90	0.9733
STM3564	9	5.25E-72	0.97328
STM1069	1	0.0045786	0.97056
STM3298	3	3.12E-16	0.9685
STM4330	51	0	0.9683
STM0217	15	6.83E-155	0.96805
STM3434	11	1.06E-170	0.96721
STM3728	4	5.15E-35	0.96534
	57	0	0.95995
STM1935	2	6.10E-48	0.95924
STM0607	3	9.92E-12	0.95688
STM0219	7	1.18E-164	0.95479
STM3427	2	0.0049908	0.95423
STM1426	5	1.54E-64	0.954
STM4092	2	3.78E-50	0.95378
STM0218	10	2.98E-153	0.95284
STM3761	5	4.30E-64	0.95221
STM1960	3	8.22E-14	0.95041
STM3903	2	4.62E-63	0.9497
STM3054	5	1.03E-32	0.94897
STM1558	6	6.75E-69	0.94881
STM2578	4	1.74E-43	0.9483
STM3165	5	0.00013066	0.94816
STM3433	3	5.55E-89	0.94745
	18	0	0.94653
STM3385	2	3.90E-16	0.94554
STM4221	36	0	0.94428
STM3283	4	4.26E-07	0.94407
STM1467	8	1.41E-98	0.94149
	34	0	0.94125
STM1153	1	2.82E-14	0.94003
STM2676	8	4.21E-136	0.93865
STM4150	10	9.95E-170	0.93763
STM1894	6	9.47E-46	0.93655
STM0377	5	2.56E-33	0.93551

STM3526	14	5.87E-104	0.93523
STM0211	10	4.99E-69	0.93361
STM2952	22	0	0.93308
STM1337	2	1.56E-14	0.93196
STM3418	8	1.01E-111	0.93194
STM0599	2	4.40E-19	0.93122
STM4256	7	8.81E-149	0.93071
STM3421	7	2.28E-126	0.93022
STM2166	27	0	0.92814
STM4108	1	3.38E-05	0.92694
SLP2_0021	2	3.40E-13	0.92651
STM0182	3	1.49E-40	0.92484
STM3430	6	5.53E-138	0.92375
STM1318	9	2.17E-87	0.92372
STM1444	4	1.18E-41	0.92258
STM2826	1	0.0014715	0.92243
STM2406	3	3.34E-55	0.91843
STM4119	13	2.42E-117	0.91761
	2	6.84E-16	0.91642
STM3909	27	0	0.91585
STM4151	9	3.59E-174	0.91492
PSLT106	2	3.12E-35	0.91156
STM3078	7	2.16E-83	0.91127
STM3970	4	1.74E-93	0.91063
STM0772	19	2.32E-252	0.90762
STM0435	3	1.26E-11	0.90604
STM2059	2	2.70E-33	0.90469
STM1259	10	3.47E-30	0.90453
STM2663	6	4.23E-79	0.90443
STM1845	4	9.46E-10	0.90285
STM3137	12	1.45E-139	0.90063
PSLT053	5	1.30E-06	0.89971
STM2272	7	7.66E-33	0.89907
STM1842	2	1.44E-31	0.89851
STM3422	3	5.37E-41	0.89368
STM2862	3	3.88E-28	0.89158
STM2546	3	1.33E-41	0.89075
STM3486	2	4.88E-20	0.8897
STM0738	6	8.41E-159	0.88931
	4	2.51E-84	0.8879
STM0629	2	1.20E-07	0.887
STM0982	4	5.00E-35	0.88595
STM1255	4	0.0094531	0.88471
STM1358	10	4.62E-77	0.88441
STM2346	4	1.30E-15	0.88431
STM1953	4	3.39E-18	0.88098
STM0392	8	1.32E-147	0.88007
STM1163	7	2.64E-80	0.87935
STM1150	10	2.85E-160	0.87848

STM0451	4	1.05E-113	0.87807
STM4109	5	6.37E-45	0.87708
STM2226	12	5.27E-194	0.87694
STM0693	5	1.14E-83	0.87633
STM0981	17	1.06E-202	0.87501
STM3416	12	8.80E-124	0.87477
STM3282	33	0	0.87256
STM1884	10	1.94E-123	0.87133
STM2565	45	0	0.87036
STM3708	3	8.95E-17	0.8696
STM0486	2	3.71E-31	0.86914
STM3684	2	3.14E-16	0.86833
STM3710	7	1.58E-73	0.86813
STM1549	1	0.018534	0.86642
STM1512	9	1.40E-84	0.86265
STM1466	3	0.00054504	0.86258
STM3299	2	4.32E-24	0.86235
STM3597	24	0	0.86233
STM4237	3	1.40E-25	0.86198
STM2155	6	3.13E-24	0.86145
STM4394	12	2.67E-221	0.8599
STM1296	7	1.50E-151	0.85984
STM0694	7	1.81E-276	0.85937
STM3415	11	3.34E-84	0.85849
STM4585	2	9.79E-23	0.85669
STM2147	4	1.03E-69	0.85668
STM3511	4	2.41E-36	0.85654
STM3707	1	0.025144	0.85477
STM3447	11	3.03E-129	0.85395
STM4153	11	7.38E-136	0.85274
STM4086	19	2.05E-249	0.8507
STM4026	4	6.15E-07	0.85054
SLP3_0014	2	5.49E-23	0.84972
STM4477	17	1.15E-226	0.84889
STM0578	7	3.50E-67	0.84856
SeKA_C0022	41	0	0.84847
STM0684	8	7.36E-166	0.84828
STM2297	5	1.58E-35	0.84784
STM3915	4	6.91E-34	0.84496
STM3877	1	8.85E-26	0.84412
STM3133	4	9.77E-17	0.84131
STM1502	4	1.66E-41	0.84129
STM1164	2	7.78E-12	0.83986
STM0588	2	6.10E-09	0.83837
STM2091	24	1.00E-254	0.83692
STM4170	5	9.69E-160	0.83683
STM1822	4	7.69E-63	0.83576
STM1196	4	2.85E-43	0.83497
STM3537	2	1.35E-38	0.83471

STM0215	1	2.64E-14	0.8343
STM2335	10	7.32E-108	0.83253
SLP3_0004	6	3.41E-34	0.83116
STM3076	15	1.92E-112	0.82827
STM0534	6	1.21E-123	0.82814
STM0609	2	7.26E-06	0.82759
	1	2.49E-39	0.82669
STM3835	2	1.17E-08	0.82669
STM1334	3	1.94E-22	0.82491
STM4458	5	1.91E-82	0.82485
STM4447	2	0.080147	0.82404
STM3500	26	0	0.82363
STM4366	13	8.39E-82	0.82166
STM0154	32	0	0.82092
STM3999	3	1.81E-47	0.81763
STM4453	3	4.16E-26	0.81659
STM2543	3	0.0010722	0.81648
STM0730	5	8.43E-25	0.81596
STM0310	7	8.73E-104	0.81461
STM0487	6	6.79E-63	0.81365
STM1349	29	0	0.81266
STM4414	14	1.55E-163	0.81259
STM1238	32	0	0.81241
STM0637	3	0.00083192	0.80989
STM2094	4	3.60E-24	0.80894
STM1231	11	2.53E-170	0.80799
STM1682	3	1.24E-98	0.80785
STM2157	3	0.0015631	0.80743
STM4569	16	1.51E-233	0.80583
STM1067	10	4.60E-82	0.80548
STM0448	5	2.99E-64	0.8054
STM0046	18	5.05E-137	0.80427
STM2472	24	2.96E-213	0.80342
STM3665	2	0.0071641	0.80196
STM1769	2	1.94E-41	0.80195
STM4154	22	6.95E-248	0.80191
STM2555	11	2.58E-40	0.80026
STM2661	5	3.07E-34	0.79989
STM4361	8	2.56E-100	0.79959
STM0153	22	0	0.79928
	9	3.31E-102	0.7979
STM0465	5	2.87E-69	0.79777
STM4459	7	4.28E-76	0.79736
STM0007	27	0	0.79733
STM0417	5	1.58E-197	0.79657
	2	6.16E-07	0.79567
STM1322	8	8.63E-48	0.79479
	6	3.17E-74	0.79455
STM1391	2	9.98E-05	0.7944

STM2081	44	0	0.79382
STM1290	34	0	0.79372
STM1057	26	0	0.79331
STM4570	18	3.40E-276	0.79264
STM3514	3	0.00028684	0.79119
SLP3_0011	4	2.50E-16	0.78889
	9	2.65E-115	0.7885
STM2141	17	0	0.7877
STM2092	7	1.59E-121	0.78603
STM3545	14	4.88E-157	0.78547
STM3431	2	0.0010996	0.78511
STM4397	3	5.09E-75	0.78453
STM0950	5	1.48E-88	0.78384
STM2489	12	0	0.78092
STM1289	10	1.37E-116	0.78054
STM3446	28	0	0.78047
STM1339	5	3.15E-50	0.78034
	6	1.83E-43	0.77903
STM3055	11	2.94E-110	0.77864
STM3984	11	5.47E-111	0.77697
STM4254	15	3.26E-295	0.7766
STM2683	3	3.17E-17	0.77526
STM1136	3	0.00021222	0.77437
STM0536	2	0.00020429	0.77326
STM0402	9	2.66E-53	0.77241
STM1959	17	0	0.77172
STM3439	9	2.47E-106	0.77065
STM3965	2	3.83E-18	0.77021
STM0180	3	9.53E-27	0.77015
STM2582	2	0.067917	0.76763
STM0171	7	4.06E-96	0.76565
STM2378	15	0	0.76412
STM3157	16	0	0.76283
STM0977	16	0	0.762
STM2830	3	1.07E-67	0.76042
	3	5.11E-06	0.76009
STM2327	1	0.014869	0.7597
STM3359	19	0	0.75627
STM3399	2	1.09E-26	0.75479
STM4250	2	1.20E-18	0.75447
	4	2.60E-08	0.75268
STM4028	4	5.16E-61	0.75239
	7	3.37E-66	0.75002
STM2415	8	6.20E-30	0.74954
STM1756	15	1.67E-202	0.7482
STM1450	3	2.57E-33	0.74751
STM0648	4	9.63E-38	0.74747
STM3069	33	0	0.74718
STM2510	18	6.69E-240	0.74513

	5	3.38E-51	0.74472
STM1378	29	0	0.74366
STM0317	6	3.10E-43	0.74047
	5	1.26E-122	0.73848
STM0168	2	8.83E-07	0.73825
STM0372	2	1.88E-07	0.73659
STM3206	6	1.19E-64	0.73609
STM2282	24	2.58E-248	0.73553
STM3968	12	0	0.7323
STM1371	2	1.84E-05	0.73199
STM0892	5	2.00E-143	0.73141
STM3136	4	0.00016149	0.73035
STM4007	25	0	0.72905
STM3701	4	1.01E-19	0.7272
STM2561	4	1.18E-16	0.72713
STM3334	13	9.94E-116	0.72686
STM2511	11	8.75E-154	0.723
STM4055	12	0	0.71862
STM3498	2	3.71E-14	0.71737
STM3437	12	1.80E-111	0.71662
	7	7.56E-111	0.71577
STM0418	2	3.13E-06	0.71574
STM3709	21	0	0.71528
STM3483	10	2.64E-155	0.71317
STM2338	10	1.75E-117	0.71307
STM3406	3	2.03E-22	0.71129
STM1336	5	8.22E-35	0.70644
STM1899	2	2.38E-21	0.70562
STM1373	12	5.40E-95	0.70494
STM0433	3	1.13E-59	0.70185
STM3979	1	3.30E-13	0.69941
STM2473	17	6.77E-229	0.6952
STM4152	3	4.17E-58	0.69381
STM2660	7	1.08E-46	0.69114
STM0998	30	0	0.69104
STM1895	2	4.32E-28	0.69055
STM3100	2	7.67E-17	0.68958
STM2795	5	1.04E-110	0.68828
STM0698	5	7.33E-51	0.68682
STM3111	2	9.09E-26	0.68674
STM3689	1	1.78E-06	0.68598
STM4329	6	6.76E-104	0.68594
STM2061	4	2.96E-32	0.68533
STM3866	4	3.88E-46	0.68496
STM3304	3	4.44E-13	0.68324
	11	2.38E-181	0.68153
STM4475	4	5.84E-13	0.68121
STM1581	2	0.00013072	0.67983
STM1749	6	2.45E-40	0.67722

STM1589	4	1.65E-21	0.67681
STM1963	9	2.64E-23	0.67677
STM3068	19	0	0.67526
STM1888	2	0.017852	0.67499
STM0973	10	8.83E-62	0.67271
STM0543	3	1.80E-42	0.66837
STM4519	28	0	0.66809
STM0785	15	2.81E-238	0.66649
STM2194	11	3.77E-127	0.66279
STM0152	48	0	0.66026
STM3321	1	0.015012	0.65657
STM0773	9	1.93E-187	0.65288
STM3867	18	3.27E-289	0.65073
STM3339	6	6.59E-33	0.64998
STM4326	24	0	0.64489
STM1469	2	7.34E-39	0.64332
STM3135	2	0.0024054	0.64146
STM3015	2	0.046877	0.64113
STM3865	13	4.21E-229	0.63986
STM0008	3	0.00051365	0.63695
STM1299	8	1.54E-119	0.63351
STM0686	9	1.98E-89	0.631
STM3481	2	5.12E-07	0.62875
STM3539	6	4.71E-82	0.62658
STM1690	6	1.52E-65	0.61778
STM3344	6	7.91E-47	0.61488
STM1940	3	8.34E-20	0.61356
STM0537	2	0.0024087	0.61247
STM0608	14	9.78E-264	0.60992
STM0386	2	2.08E-23	0.60779
STM1772	19	1.03E-177	0.60381
STM2536	13	3.93E-183	0.59932
STM0737	6	3.69E-28	0.59867
STM0958	13	0	0.59186
STM3048	8	1.04E-141	0.58813
STM1338	5	3.10E-35	0.58512
STM4162	2	3.67E-17	0.58289
STM0598	6	1.45E-72	0.58135
STM1732	1	6.23E-08	0.57894
STM2193	3	8.47E-57	0.57275
STM0255	2	0.012754	0.56994
STM1597	4	6.33E-81	0.56917
STM2433	6	4.34E-91	0.56101
STM2802	3	1.26E-117	0.54935
STM4184	11	1.60E-110	0.53353
STM1712	7	1.50E-107	0.53127
STM1641	2	3.42E-05	0.53118
STM4356	6	6.52E-24	0.52569
STM0831	9	7.87E-189	0.52426

STM3808	1	4.62E-09	0.51663
STM4091	5	3.44E-08	0.51523
STM1000	3	2.66E-08	0.51324
STM4100	6	1.80E-61	0.51241
STM4064	10	4.39E-83	0.51195
STM3223	2	5.07E-12	0.50937
STM3435	8	4.74E-167	0.49898
STM3875	1	0.0010092	0.4979
STM4364	3	0.05539	0.49225
STM0119	3	7.75E-24	0.48681
STM4106	2	0.078794	0.48298
STM1901	2	0.0038404	0.48191
STM0004	7	5.09E-94	0.47792
STM0227	6	1.01E-63	0.46154
STM3735	6	3.29E-92	0.45951
STM3414	6	7.21E-74	0.45907
STM1563	4	4.92E-75	0.44063
STM2456	2	2.86E-13	0.42859
STM3070	2	7.04E-27	0.42297
STM1232	3	0.029048	0.36343
STM1780	16	0	0.3595
STM0452	2	1.89E-19	0.35705
STM0935	1	0.098286	0.31236
STM1561	2	2.55E-24	0.2917
STM1168	3	2.57E-14	0.29093
STM2584	2	0.003021	0.29053
STM0803	5	4.19E-40	0.27633
STM1730	4	1.66E-21	0.22132
STM1261	1	3.11E-43	0.19066
STM0316	19	6.50E-279	0.18291
STM4240	3	3.63E-20	0.09573
STM1729	11	4.09E-177	0.084803
STM3543	1	0.075037	0.041945
STM1731	19	5.23E-261	0.02304
STM2427	1	0.047893	0.022837