

Supplementary Table 4. Genes belonging to glycoside hydrolase family (GH) or pectinase family (PL) in the transcriptome

\* Amino acids sequences are available at Dryad digital repository (<https://doi.org/10.5061/dryad.05.qftff04>)

protein ID*	GH/PL family	TMM		
		Library 1	Library 2	Library 3
TRINITY_DN16078_c0_g1_i1.p1	GH1	7.297	8.118	5.374
TRINITY_DN14948_c0_g1_i1.p1	GH1	6.737	11.152	20.22
TRINITY_DN1174_c0_g1_i1.p1	GH1	0	0.316	0.109
TRINITY_DN11547_c0_g1_i1.p1	GH1	128.205	175.547	140.21
TRINITY_DN7159_c0_g1_i1.p1	GH10	15.705	11.977	15.512
TRINITY_DN20420_c0_g1_i1.p1	GH10	0	0.983	0
TRINITY_DN17112_c0_g2_i1.p1	GH10	2171.721	5341.223	4799.972
TRINITY_DN17122_c0_g1_i1.p1	GH115	4.777	8.883	3.431
TRINITY_DN17121_c0_g1_i1.p1	GH13	13.845	14.732	7.756
TRINITY_DN17003_c0_g1_i3.p1	GH133	20.997	35.034	17.291
TRINITY_DN17340_c0_g1_i1.p1	GH133	51.332	38.565	37.84
TRINITY_DN17003_c0_g1_i3.p1	GH13_25	20.997	35.034	17.291
TRINITY_DN17340_c0_g1_i1.p1	GH13_25	51.332	38.565	37.84
TRINITY_DN12543_c0_g1_i1.p1	GH13_31	0.452	0.862	2.108
TRINITY_DN10109_c0_g1_i1.p1	GH13_8	84.088	113.548	114.232
TRINITY_DN17909_c3_g1_i9.p1	GH14	1.535	1.493	1.095
TRINITY_DN14171_c0_g1_i2.p1	GH14	9.302	10.655	10.119
TRINITY_DN11354_c0_g1_i3.p1	GH14	8.598	5.813	6.506
TRINITY_DN12370_c0_g1_i1.p1	GH15	9.374	15.132	10.11
TRINITY_DN12317_c0_g1_i3.p1	GH19	10.539	11.225	17.081
TRINITY_DN12317_c0_g1_i4.p1	GH19	28.466	48.601	61.354
TRINITY_DN16152_c0_g1_i5.p1	GH2	2.782	15.108	10.785
TRINITY_DN16152_c0_g1_i4.p1	GH2	5.121	0	3.203
TRINITY_DN16699_c0_g1_i2.p1	GH2	15.542	64.413	26.936
TRINITY_DN10065_c0_g1_i1.p1	GH2	2.05	2.342	2.893
TRINITY_DN12646_c0_g1_i1.p1	GH2	2.917	4.672	3.121
TRINITY_DN16699_c0_g1_i7.p1	GH2	103.559	163.509	76.876
TRINITY_DN10150_c0_g1_i3.p1	GH2	0.208	1.42	0.812
TRINITY_DN17234_c0_g2_i1.p1	GH2	131.817	265.128	115.792
TRINITY_DN18046_c3_g1_i8.p1	GH2	2.222	14.683	1.204
TRINITY_DN10587_c0_g1_i1.p1	GH20	0.984	1.529	1.871
TRINITY_DN17718_c0_g1_i3.p1	GH20	1.129	2.257	2.929
TRINITY_DN9032_c0_g1_i1.p1	GH20	18.333	52.023	22
TRINITY_DN12228_c0_g1_i1.p1	GH25	0.75	0.631	1.095
TRINITY_DN14026_c0_g1_i1.p1	GH26	130.074	216.26	103.054
TRINITY_DN16977_c0_g1_i5.p1	GH26	269.568	674.725	344.749
TRINITY_DN20388_c0_g1_i1.p1	GH28	0	1.056	0
TRINITY_DN15777_c0_g1_i5.p1	GH3	60.309	78.077	51.317
TRINITY_DN17842_c1_g1_i14.p1	GH3	0.876	2.658	6.004
TRINITY_DN17923_c8_g1_i4.p1	GH3	55.107	30.362	0.392
TRINITY_DN16835_c0_g1_i1.p1	GH3	118.361	238.431	86.548
TRINITY_DN17277_c0_g1_i1.p1	GH3	5.175	3.119	4.097
TRINITY_DN16979_c1_g1_i1.p1	GH3	55.36	102.894	63.216
TRINITY_DN13468_c0_g1_i1.p1	GH3	6.791	9.732	16.935
TRINITY_DN16979_c1_g2_i1.p1	GH3	8.363	17.05	24.472
TRINITY_DN16979_c1_g1_i4.p1	GH3	193.797	978.831	641.621
TRINITY_DN17842_c1_g1_i11.p1	GH3	0.126	0.194	1.487
TRINITY_DN17277_c0_g1_i2.p1	GH3	26.777	18.482	13.897

TRINITY_DN15607_c0_g1_i2.p1	GH30	0.126	1.044	0
TRINITY_DN15607_c0_g1_i1.p1	GH30_2	1.291	2.973	4.462
TRINITY_DN14529_c0_g1_i1.p1	GH31	50.935	105.673	62.951
TRINITY_DN8721_c0_g1_i1.p1	GH31	6.412	6.917	10.284
TRINITY_DN8173_c0_g1_i1.p1	GH31	0.009	0.716	0.922
TRINITY_DN16340_c0_g2_i1.p1	GH31	1.436	4.915	3.011
TRINITY_DN14404_c0_g1_i1.p1	GH31	6.502	14.004	5.238
TRINITY_DN14609_c0_g1_i1.p1	GH31	4.705	4.551	2.637
TRINITY_DN12768_c0_g1_i1.p1	GH31	0.939	2.937	3.413
TRINITY_DN16116_c0_g1_i4.p1	GH31	0.533	3.641	1.232
TRINITY_DN12327_c0_g1_i3.p1	GH31	0.912	2.779	3.641
TRINITY_DN14609_c1_g1_i1.p1	GH31	0.397	2.573	3.248
TRINITY_DN12011_c0_g1_i1.p1	GH36	73.702	182.221	153.715
TRINITY_DN12249_c0_g1_i1.p1	GH38	7.83	10.448	3.495
TRINITY_DN14317_c0_g1_i1.p1	GH38	1.156	4.259	0.593
TRINITY_DN9869_c0_g1_i1.p1	GH43_12	15.931	49.669	37.283
TRINITY_DN16708_c1_g2_i1.p1	GH43_17	0.226	1.687	0.082
TRINITY_DN11521_c0_g1_i1.p1	GH43_17	0.063	1.845	1.524
TRINITY_DN6572_c0_g1_i1.p1	GH45	42.654	94.69	106.23
TRINITY_DN17282_c0_g2_i1.p1	GH45	778.467	1480.169	1488.374
TRINITY_DN16049_c0_g1_i1.p1	GH47	3.025	5.182	7.3
TRINITY_DN9573_c0_g1_i1.p1	GH47	0.542	2.112	7.446
TRINITY_DN11040_c0_g1_i1.p1	GH53	95.892	193.956	150.101
TRINITY_DN13014_c0_g1_i1.p1	GH55	46.889	107.772	29.153
TRINITY_DN16353_c0_g1_i1.p1	GH57	8.11	9.308	16.552
TRINITY_DN14804_c3_g1_i1.p1	GH5_1	77.721	80.529	105.773
TRINITY_DN12526_c0_g1_i1.p1	GH5_1	65.231	90.613	84.686
TRINITY_DN14804_c3_g3_i1.p1	GH5_1	63.66	119.009	128.001
TRINITY_DN14804_c1_g2_i1.p1	GH5_1	48.894	78.247	80.297
TRINITY_DN13223_c0_g1_i2.p1	GH5_1	24.817	34.609	32.466
TRINITY_DN14804_c1_g1_i1.p1	GH5_1	34.327	56.987	85.325
TRINITY_DN10727_c0_g1_i1.p1	GH5_1	125.73	302.213	125.711
TRINITY_DN14804_c4_g1_i2.p1	GH5_1	224.954	392.413	628.627
TRINITY_DN15190_c0_g1_i1.p1	GH5_1	62.576	193.81	199.867
TRINITY_DN17591_c1_g1_i1.p1	GH5_2	10.973	42.691	45.468
TRINITY_DN17591_c1_g1_i3.p1	GH5_2	7.414	63.212	44.355
TRINITY_DN17054_c0_g1_i1.p1	GH5_2	534.168	951.381	739.255
TRINITY_DN16418_c0_g2_i3.p1	GH5_2	1820.17	2451.451	2432.324
TRINITY_DN5923_c0_g1_i1.p1	GH5_2	36.621	68.782	50.724
TRINITY_DN16418_c0_g3_i1.p1	GH5_2	479.097	943.36	984.773
TRINITY_DN9996_c0_g1_i1.p1	GH5_2	13.077	9.829	14.235
TRINITY_DN17591_c1_g1_i8.p1	GH5_2	12.77	94.872	36.125
TRINITY_DN17114_c0_g2_i1.p1	GH5_2	1348.081	2786.004	3305.895
TRINITY_DN17591_c1_g1_i4.p1	GH5_2	34.815	193.604	127.718
TRINITY_DN15138_c2_g2_i1.p1	GH5_2	349.339	385.666	573.843
TRINITY_DN6853_c0_g1_i1.p1	GH5_2	128.412	277.409	306.882
TRINITY_DN7937_c0_g1_i1.p1	GH5_2	62.63	62.023	74.211
TRINITY_DN14479_c0_g1_i2.p1	GH5_4	129.189	249.34	190.387
TRINITY_DN14479_c0_g1_i3.p1	GH5_4	54.557	217.765	197.905
TRINITY_DN7032_c0_g1_i1.p2	GH63	0.144	1.226	0.109
TRINITY_DN16554_c0_g3_i2.p1	GH67	31.834	22.219	12.556
TRINITY_DN16554_c0_g3_i3.p1	GH67	0	0	0.128

TRINITY_DN13801_c0_g1_i1.p1	GH7	132.774	242.326	313.242
TRINITY_DN13801_c1_g5_i1.p1	GH7	57.862	56.271	57.723
TRINITY_DN13801_c1_g4_i1.p1	GH7	48.831	162.392	62.112
TRINITY_DN13801_c1_g6_i1.p1	GH7	31.925	35.847	88.573
TRINITY_DN13801_c1_g3_i1.p1	GH7	2.339	5.461	6.241
TRINITY_DN14810_c0_g2_i1.p1	GH7	63.109	196.067	97.26
TRINITY_DN14810_c1_g2_i1.p1	GH7	161.565	272.834	288.149
TRINITY_DN17417_c2_g1_i4.p1	GH7	10115.741	32116.715	24090.294
TRINITY_DN13801_c1_g2_i1.p1	GH7	26.289	121.873	64.192
TRINITY_DN12110_c0_g1_i1.p1	GH77	2.655	1.056	0.347
TRINITY_DN17673_c1_g3_i1.p1	GH77	14.594	8.567	7.218
TRINITY_DN13925_c0_g1_i1.p1	GH77	2.745	1.76	2.245
TRINITY_DN16709_c0_g1_i4.p1	GH8	424.332	1106.395	901.711
TRINITY_DN12784_c0_g1_i1.p1	GH87	3.025	7.657	4.079
TRINITY_DN11846_c0_g1_i1.p1	GH92	4.696	6.153	1.624
TRINITY_DN10686_c0_g2_i1.p1	GH92	0.172	0.024	1.314
TRINITY_DN18029_c6_g1_i4.p1	GH92	3.621	3.75	2.391
TRINITY_DN14316_c0_g1_i1.p1	GH95	8.281	14.963	3.057
TRINITY_DN7344_c0_g1_i1.p1	GH99	2.511	3.434	2.163

**b *Holomastigotoides hartmanni***

Protein ID*	GH/PL family	TMM		
		Library 1	Library 2	Library 3
TRINITY_DN153639_c0_g1_i1.p1	GH1	0.59	0	0
TRINITY_DN2815_c0_g1_i1.p2	GH1	0.953	0	0.027
TRINITY_DN88655_c0_g1_i1.p1	GH1	8.701	3.369	10.001
TRINITY_DN73192_c0_g2_i1.p1	GH10	1.146	0	0
TRINITY_DN121085_c0_g1_i1.p1	GH10	2.62	0	0
TRINITY_DN77572_c0_g1_i1.p3	GH10	7.147	0	0
TRINITY_DN77572_c0_g2_i1.p2	GH10	2.847	0	0
TRINITY_DN80113_c0_g1_i1.p2	GH102	6.636	0	0
TRINITY_DN95421_c0_g2_i2.p1	GH105	1.702	0.274	0.018
TRINITY_DN106147_c0_g1_i1.p2	GH105	0.352	0.509	0.216
TRINITY_DN79265_c0_g2_i1.p1	GH105	1.815	0	0
TRINITY_DN95421_c0_g2_i9.p1	GH105	0.93	3.232	0
TRINITY_DN98632_c0_g1_i1.p1	GH109	3.494	0	0
TRINITY_DN10950_c0_g1_i1.p1	GH109	5.99	0	0
TRINITY_DN80416_c0_g1_i1.p1	GH109	7.907	0	0
TRINITY_DN92896_c2_g1_i11.p1	GH109	15.02	0.029	0.009
TRINITY_DN90436_c0_g1_i1.p2	GH109	2.019	0	0
TRINITY_DN69232_c0_g1_i1.p1	GH109	4.05	0	0
TRINITY_DN69222_c0_g2_i1.p1	GH109	0.828	0	0
TRINITY_DN46367_c0_g1_i1.p2	GH109	4.833	0	0
TRINITY_DN80461_c0_g1_i1.p1	GH109	3.925	0	0
TRINITY_DN96145_c0_g3_i1.p1	GH11	263.546	327.452	274.694
TRINITY_DN37855_c0_g2_i1.p1	GH113	0	0	0.684
TRINITY_DN120830_c0_g1_i1.p1	GH120	4.515	0	0
TRINITY_DN138004_c0_g1_i1.p1	GH125	2.995	0	0
TRINITY_DN87680_c0_g1_i1.p1	GH125	0.068	0.382	0.756
TRINITY_DN151709_c0_g1_i1.p1	GH128	1.293	0	0
TRINITY_DN32897_c0_g2_i1.p2	GH13	1.373	0	0
TRINITY_DN91066_c0_g3_i3.p1	GH13	0.261	4.495	1.926
TRINITY_DN74300_c0_g1_i1.p1	GH13	1.248	0	0

TRINITY_DN13431_c0_g1_i1.p1	GH13	3.993	0	0
TRINITY_DN78372_c0_g1_i2.p1	GH13	5.729	0	0
TRINITY_DN78372_c0_g1_i1.p1	GH13	4.413	0	0
TRINITY_DN92622_c2_g1_i1.p1	GH13	0.658	0.196	0
TRINITY_DN95286_c1_g2_i1.p1	GH13	8.179	0.029	0.018
TRINITY_DN91675_c4_g2_i1.p1	GH13	1.168	0	0
TRINITY_DN58691_c0_g1_i1.p2	GH130	1.497	0	0
TRINITY_DN72979_c0_g1_i1.p2	GH130	5.57	0	0
TRINITY_DN93222_c0_g2_i1.p1	GH130	0.147	2.419	0.225
TRINITY_DN74709_c0_g1_i1.p1	GH130	9.54	0	0
TRINITY_DN93086_c1_g1_i1.p7	GH130	7.272	0	0
TRINITY_DN87835_c0_g1_i1.p1	GH133	43.21	187.38	126.459
TRINITY_DN84431_c0_g1_i1.p1	GH133	14.396	0	0
TRINITY_DN64213_c0_g1_i1.p1	GH133	5.4	0	0
TRINITY_DN93852_c0_g1_i2.p1	GH136	9.722	0.304	0.009
TRINITY_DN95706_c0_g2_i3.p1	GH136	9.858	0.01	0.009
TRINITY_DN67003_c0_g1_i1.p1	GH136	5.944	0	0
TRINITY_DN95706_c0_g2_i11.p1	GH136	5.343	0	0
TRINITY_DN92622_c0_g1_i1.p1	GH13_11	4.254	0	0
TRINITY_DN73110_c0_g1_i1.p1	GH13_11	0	0	1.179
TRINITY_DN34779_c0_g1_i1.p2	GH13_14	1.486	0	0
TRINITY_DN93352_c2_g1_i6.p1	GH13_20	0.045	0.01	0.252
TRINITY_DN93352_c2_g1_i5.p1	GH13_20	2.825	0	0
TRINITY_DN149940_c0_g1_i1.p1	GH13_20	1.044	0	0
TRINITY_DN90766_c1_g4_i2.p1	GH13_23	0	1.018	0
TRINITY_DN87835_c0_g1_i1.p1	GH13_25	43.21	187.38	126.459
TRINITY_DN93254_c1_g2_i2.p1	GH13_30	3.664	0.02	0
TRINITY_DN87950_c0_g3_i1.p1	GH13_36	2.416	0	0
TRINITY_DN87950_c0_g2_i1.p1	GH13_36	3.982	0	0
TRINITY_DN64786_c0_g1_i1.p1	GH13_41	1.883	0	0
TRINITY_DN33167_c0_g1_i1.p1	GH13_8	3.324	0.372	0
TRINITY_DN72223_c0_g1_i1.p1	GH142	2.598	0	0
TRINITY_DN91967_c1_g6_i1.p2	GH142	1.531	0	0
TRINITY_DN91967_c1_g8_i2.p1	GH142	0.726	0	0
TRINITY_DN11190_c0_g1_i1.p1	GH146	5.956	0	0
TRINITY_DN132057_c0_g1_i1.p1	GH151	1.668	0	0
TRINITY_DN80642_c0_g1_i2.p1	GH154	1.86	1.665	4.681
TRINITY_DN74062_c0_g1_i1.p2	GH154	1.509	0	0
TRINITY_DN63217_c0_g1_i1.p1	GH154	0.715	0	0
TRINITY_DN81791_c0_g1_i1.p1	GH158	112.477	66.795	1.485
TRINITY_DN94378_c0_g1_i2.p3	GH16	9.461	0.088	0
TRINITY_DN67849_c0_g1_i1.p1	GH16	0	1.665	0.018
TRINITY_DN94865_c1_g1_i2.p1	GH18	17.504	47.376	48.764
TRINITY_DN94865_c1_g1_i4.p1	GH18	0.227	6.757	0.549
TRINITY_DN86382_c0_g1_i1.p1	GH19	0.216	2.487	0
TRINITY_DN94836_c0_g2_i4.p1	GH19	52.024	0.098	0.045
TRINITY_DN99361_c0_g1_i1.p1	GH2	3.607	0	0
TRINITY_DN92140_c1_g1_i1.p1	GH2	63.47	119.899	30.454
TRINITY_DN95854_c0_g1_i6.p1	GH2	87.69	0	0.027
TRINITY_DN96885_c1_g5_i1.p1	GH2	2.416	0	0
TRINITY_DN76641_c0_g1_i2.p1	GH2	1.01	0	0
TRINITY_DN80649_c0_g1_i1.p1	GH2	1.373	0	0

TRINITY_DN94482_c1_g6_i2.p1	GH2	1.668	0	0
TRINITY_DN76641_c0_g1_i1.p1	GH2	1.52	0	0
TRINITY_DN70688_c0_g1_i1.p1	GH2	4.084	0	0
TRINITY_DN90967_c0_g1_i2.p1	GH2	2.11	0	0
TRINITY_DN34596_c0_g1_i1.p1	GH2	1.838	0	0
TRINITY_DN89968_c1_g2_i3.p1	GH2	3.97	0	0
TRINITY_DN77753_c0_g1_i1.p1	GH2	0.76	1.263	0
TRINITY_DN118384_c0_g1_i1.p1	GH20	1.441	0	0
TRINITY_DN77704_c0_g1_i2.p1	GH20	3.562	0	0
TRINITY_DN77457_c0_g1_i1.p1	GH20	0.681	0.989	0
TRINITY_DN90846_c0_g1_i1.p1	GH20	84.434	176.999	78.893
TRINITY_DN88123_c0_g1_i1.p1	GH20	5.944	23.815	9.947
TRINITY_DN147347_c0_g1_i1.p1	GH20	2.201	0	0
TRINITY_DN118515_c0_g1_i1.p2	GH20	1.021	0	0
TRINITY_DN32197_c0_g1_i1.p1	GH20	0	0.088	0.963
TRINITY_DN98026_c0_g1_i1.p1	GH24	0.363	0	0.135
TRINITY_DN92332_c0_g2_i2.p1	GH27	2.893	3.016	0
TRINITY_DN88449_c1_g4_i2.p1	GH27	1.429	0	0
TRINITY_DN91590_c2_g2_i1.p1	GH27	0.783	0	0
TRINITY_DN92332_c0_g2_i7.p1	GH27	0.034	0	8.255
TRINITY_DN92332_c0_g2_i1.p1	GH27	0	0.382	0
TRINITY_DN91561_c0_g1_i1.p1	GH28	91.467	2.526	0.054
TRINITY_DN91561_c0_g8_i2.p1	GH28	1.339	0	0
TRINITY_DN7877_c0_g1_i1.p2	GH29	0	2.027	0
TRINITY_DN78948_c0_g1_i1.p1	GH29	3.744	0	0
TRINITY_DN73182_c0_g1_i1.p1	GH29	5.071	0.255	0
TRINITY_DN95455_c0_g2_i1.p1	GH29	5.071	0	0
TRINITY_DN74082_c0_g2_i1.p1	GH29	0.76	0	0
TRINITY_DN95420_c0_g6_i1.p1	GH29	0.964	0	0
TRINITY_DN10416_c0_g1_i1.p1	GH29	3.789	0	0.054
TRINITY_DN81650_c0_g1_i1.p1	GH29	5.059	0	0
TRINITY_DN91799_c2_g1_i1.p2	GH29	3.494	0	0
TRINITY_DN131032_c0_g1_i1.p1	GH29	0.771	0	0
TRINITY_DN91799_c2_g3_i1.p1	GH29	2.609	0	0
TRINITY_DN82169_c0_g1_i1.p1	GH29	2.552	0	0
TRINITY_DN75483_c0_g1_i1.p1	GH3	2.666	0	0
TRINITY_DN166364_c0_g1_i1.p1	GH3	1.168	0	0
TRINITY_DN84345_c2_g1_i4.p2	GH3	1.645	0.304	1.368
TRINITY_DN95428_c0_g1_i4.p2	GH3	14.997	0.029	0
TRINITY_DN93744_c1_g4_i2.p1	GH3	1.327	0	0
TRINITY_DN84345_c2_g1_i3.p2	GH3	3.381	0	0.108
TRINITY_DN87767_c0_g2_i1.p1	GH3	1.225	9.234	7.634
TRINITY_DN75483_c1_g2_i1.p1	GH3	1.339	0	0
TRINITY_DN162387_c0_g1_i1.p2	GH3	1.951	0	0
TRINITY_DN7921_c0_g1_i1.p1	GH3	1.656	0	0
TRINITY_DN75483_c1_g1_i1.p1	GH3	0.817	0	0
TRINITY_DN87959_c0_g1_i1.p1	GH3	1.316	0	0
TRINITY_DN87959_c0_g1_i2.p1	GH3	2.983	0	0
TRINITY_DN75140_c0_g1_i1.p1	GH3	4.572	0	0
TRINITY_DN93442_c0_g1_i2.p1	GH3	1.883	0	0
TRINITY_DN89215_c0_g1_i1.p1	GH3	20.124	33.706	35.828
TRINITY_DN4941_c0_g1_i1.p1	GH3	0	1.146	0

TRINITY_DN77607_c0_g2_i1.p2	GH3	3.868	0	0
TRINITY_DN89215_c0_g1_i2.p1	GH3	154.688	132.639	1.926
TRINITY_DN90827_c0_g1_i1.p1	GH3	1.202	0.069	11.982
TRINITY_DN90827_c0_g1_i4.p1	GH3	6.046	12.495	0.171
TRINITY_DN22201_c0_g1_i1.p2	GH3	1.645	0	0
TRINITY_DN86230_c0_g1_i1.p1	GH3	1.894	6.443	19.876
TRINITY_DN56581_c0_g1_i1.p1	GH3	0.681	0	0
TRINITY_DN90207_c0_g3_i4.p1	GH3	0	0.362	0
TRINITY_DN125135_c0_g1_i1.p1	GH3	1.894	0	0
TRINITY_DN90794_c0_g1_i7.p1	GH3	2.053	10.243	0.432
TRINITY_DN141476_c0_g1_i1.p2	GH3	0.908	0	0
TRINITY_DN86008_c0_g1_i3.p3	GH3	1.089	69.576	24.845
TRINITY_DN34613_c0_g2_i1.p1	GH3	1.01	0	0
TRINITY_DN87959_c0_g2_i1.p1	GH3	1.463	0	0
TRINITY_DN86306_c0_g1_i1.p1	GH3	5.15	2.242	12.495
TRINITY_DN86824_c0_g1_i1.p1	GH3	18.57	14.796	7.265
TRINITY_DN83622_c0_g1_i1.p1	GH3	4.288	0	0
TRINITY_DN76719_c0_g4_i1.p2	GH3	0	1.498	0.027
TRINITY_DN40688_c0_g1_i1.p1	GH3	3.857	0	0
TRINITY_DN41780_c0_g1_i1.p1	GH3	0	0.852	0
TRINITY_DN82057_c0_g3_i1.p1	GH3	2.405	0	0
TRINITY_DN81018_c0_g4_i1.p1	GH3	1.634	0	0
TRINITY_DN81018_c0_g1_i1.p1	GH3	0.136	0	1.728
TRINITY_DN81018_c0_g2_i3.p1	GH3	2.087	0.088	0
TRINITY_DN82057_c0_g1_i1.p1	GH3	1.611	0	0
TRINITY_DN82057_c0_g2_i1.p1	GH3	1.112	0	0
TRINITY_DN94174_c0_g2_i1.p2	GH30_1	15.609	0.01	0
TRINITY_DN51086_c0_g1_i1.p2	GH30_8	2.019	0	0
TRINITY_DN96192_c0_g3_i1.p1	GH31	13.749	0	0
TRINITY_DN82356_c0_g1_i1.p1	GH31	4.095	0.627	0
TRINITY_DN96138_c0_g1_i1.p1	GH31	12.047	0	0
TRINITY_DN74621_c0_g1_i1.p1	GH31	2.995	0	0
TRINITY_DN89688_c2_g3_i2.p1	GH31	0	0	0.585
TRINITY_DN69636_c0_g1_i1.p1	GH31	2.564	0	0
TRINITY_DN96138_c0_g2_i1.p1	GH31	19.103	0	0
TRINITY_DN87726_c0_g2_i1.p1	GH31	1.044	2.164	15.474
TRINITY_DN76261_c0_g1_i1.p1	GH31	7.056	0	0
TRINITY_DN90634_c0_g1_i1.p1	GH31	13.545	24.031	34.685
TRINITY_DN91022_c0_g1_i1.p1	GH31	11.775	12.172	4.591
TRINITY_DN93454_c0_g1_i1.p1	GH31	9.756	29.72	6.715
TRINITY_DN89688_c2_g3_i1.p1	GH31	1.758	0	5.968
TRINITY_DN71526_c0_g1_i1.p1	GH32	5.298	0	0
TRINITY_DN96167_c2_g1_i1.p1	GH33	2.836	0	0
TRINITY_DN96167_c3_g1_i8.p1	GH33	5.071	0	0.036
TRINITY_DN95659_c2_g2_i1.p1	GH33	1.032	0	0
TRINITY_DN151903_c0_g1_i1.p1	GH33	0	4.005	0
TRINITY_DN92263_c4_g1_i4.p1	GH33	0.613	0	0
TRINITY_DN96116_c1_g2_i1.p1	GH33	7.487	0	0
TRINITY_DN77363_c0_g1_i1.p1	GH33	4.708	0	0
TRINITY_DN91152_c6_g1_i2.p1	GH33	7.589	0	0
TRINITY_DN95279_c1_g4_i1.p1	GH33	8.372	0.02	0
TRINITY_DN96167_c3_g1_i1.p1	GH33	1.565	0	0.648

TRINITY_DN91152_c6_g1_i3.p1	GH33	2.552	0	0
TRINITY_DN78972_c0_g1_i2.p1	GH33	0.182	1.322	0
TRINITY_DN79575_c0_g1_i1.p1	GH33	7.805	0	0
TRINITY_DN92263_c4_g1_i1.p1	GH33	0.476	0	0
TRINITY_DN95279_c1_g7_i1.p1	GH33	2.201	0	0
TRINITY_DN96167_c5_g1_i1.p1	GH33	0.885	0	0
TRINITY_DN93406_c1_g1_i1.p2	GH33	1.361	0	0
TRINITY_DN92502_c0_g2_i1.p1	GH33	1.486	0	0.018
TRINITY_DN92263_c4_g1_i7.p1	GH33	5.888	0	0
TRINITY_DN95659_c2_g4_i2.p1	GH33	0.397	6.669	0
TRINITY_DN95659_c2_g1_i2.p1	GH33	1.906	0	0
TRINITY_DN94610_c5_g2_i4.p1	GH33	0.42	0.431	0
TRINITY_DN3453_c0_g1_i2.p1	GH33	3.959	0	0
TRINITY_DN93641_c2_g1_i1.p1	GH33	2.689	0	0
TRINITY_DN83847_c0_g1_i1.p1	GH33	7.442	0	0
TRINITY_DN93130_c2_g1_i1.p1	GH33	0	0.754	1.485
TRINITY_DN96116_c1_g1_i1.p1	GH33	0.93	0	0
TRINITY_DN93800_c2_g3_i1.p1	GH33	2.904	0	0
TRINITY_DN94907_c0_g1_i2.p1	GH35	167.688	412.401	176.429
TRINITY_DN94576_c2_g1_i2.p1	GH35	0	0.989	0
TRINITY_DN94576_c2_g1_i5.p1	GH35	4.787	0.685	0
TRINITY_DN94576_c2_g1_i3.p1	GH35	0	0	1.395
TRINITY_DN88285_c0_g1_i1.p2	GH35	21.826	19.928	14.754
TRINITY_DN94907_c0_g2_i1.p1	GH35	0	1.41	2.341
TRINITY_DN89603_c0_g1_i1.p2	GH35	207.359	760.975	286.415
TRINITY_DN94907_c0_g2_i3.p1	GH35	0	0	0.162
TRINITY_DN94907_c0_g2_i2.p1	GH35	0.034	1.244	3.025
TRINITY_DN72623_c0_g1_i1.p1	GH35	5.128	0	0
TRINITY_DN90516_c3_g5_i1.p1	GH36	4.617	0.46	0
TRINITY_DN65784_c0_g2_i1.p1	GH36	0.737	0	0
TRINITY_DN42059_c0_g1_i1.p1	GH36	0.227	0	1.224
TRINITY_DN91320_c0_g1_i1.p1	GH36	1.044	0	0
TRINITY_DN91524_c0_g2_i5.p1	GH38	0	0	1.314
TRINITY_DN109982_c0_g1_i1.p1	GH38	0.919	0	0
TRINITY_DN89351_c0_g8_i3.p1	GH38	0	2.458	0.207
TRINITY_DN89351_c0_g9_i1.p1	GH38	1.804	0	0
TRINITY_DN92787_c0_g2_i1.p1	GH38	6.943	0.284	0
TRINITY_DN79628_c0_g1_i1.p1	GH39	3.641	0	0
TRINITY_DN78358_c0_g4_i1.p1	GH4	0.805	0	0
TRINITY_DN66325_c0_g1_i1.p1	GH4	1.18	0	0
TRINITY_DN73565_c0_g2_i1.p1	GH4	0	0.999	0.261
TRINITY_DN34818_c0_g1_i1.p1	GH4	0	0.862	0.306
TRINITY_DN71789_c0_g1_i2.p1	GH4	3.8	0	0
TRINITY_DN78358_c0_g5_i1.p1	GH4	1.951	0	0
TRINITY_DN78358_c0_g4_i2.p1	GH4	1.214	0	0
TRINITY_DN78358_c0_g3_i1.p1	GH4	1.089	0	0
TRINITY_DN94488_c0_g3_i1.p1	GH42	1.032	0	0
TRINITY_DN91317_c5_g10_i1.p1	GH42	0.579	0.029	0
TRINITY_DN95075_c0_g1_i1.p1	GH43_11	6.08	0	0
TRINITY_DN85827_c2_g1_i1.p1	GH43_11	3.687	0.059	0
TRINITY_DN95493_c0_g1_i2.p2	GH43_17	6.67	0	0.009
TRINITY_DN95493_c0_g1_i6.p1	GH43_17	1.86	0.108	0.18

TRINITY_DN90865_c2_g1_i1.p1	GH43_17	7.067	0	0.027
TRINITY_DN92126_c1_g1_i1.p1	GH43_2	10.448	44.419	17.59
TRINITY_DN95411_c0_g1_i1.p1	GH43_24	30.277	0.02	0
TRINITY_DN81430_c0_g2_i1.p3	GH47	1.01	0.793	0.864
TRINITY_DN83398_c0_g1_i1.p1	GH51	0	0.519	0
TRINITY_DN83398_c0_g1_i2.p1	GH51	0.374	0.637	0
TRINITY_DN95858_c0_g2_i2.p1	GH53	116.674	73.434	75.4
TRINITY_DN95858_c0_g1_i3.p1	GH53	44.684	99.345	53.985
TRINITY_DN84930_c0_g1_i1.p1	GH57	3.12	0	0
TRINITY_DN61821_c0_g1_i1.p1	GH57	8.349	0	0
TRINITY_DN133623_c0_g1_i1.p1	GH57	2.167	0	0
TRINITY_DN76599_c0_g1_i1.p1	GH57	1.917	0	0
TRINITY_DN80010_c0_g1_i1.p1	GH57	2.099	0	0
TRINITY_DN79441_c0_g1_i1.p1	GH5_1	1.339	53.966	5.662
TRINITY_DN93940_c0_g1_i6.p2	GH5_1	6.137	13.68	19.156
TRINITY_DN93940_c0_g2_i3.p1	GH5_1	0	0.284	0.819
TRINITY_DN93940_c0_g3_i1.p2	GH5_1	1.407	15.315	1.233
TRINITY_DN133819_c0_g1_i1.p1	GH5_13	0	0.245	0.207
TRINITY_DN50285_c0_g1_i1.p1	GH5_22	6.931	0	0
TRINITY_DN95997_c3_g2_i1.p1	GH5_22	6.421	0	0
TRINITY_DN111015_c0_g1_i1.p1	GH5_22	2.053	0	0
TRINITY_DN87224_c0_g1_i3.p1	GH5_4	47.271	54.319	16.771
TRINITY_DN91269_c0_g2_i6.p1	GH63	6.84	0.01	0
TRINITY_DN91967_c1_g1_i1.p1	GH63	1.906	0	0
TRINITY_DN91967_c1_g6_i1.p2	GH63	1.531	0	0
TRINITY_DN91967_c1_g8_i2.p1	GH63	0.726	0	0
TRINITY_DN72223_c0_g1_i1.p1	GH63	2.598	0	0
TRINITY_DN90454_c0_g1_i1.p1	GH67	9.166	0.098	6.391
TRINITY_DN84976_c0_g1_i3.p1	GH67	1.554	0	0
TRINITY_DN95380_c2_g4_i1.p1	GH67	0	0.891	0
TRINITY_DN91457_c0_g1_i1.p1	GH67	83.22	142.755	52.355
TRINITY_DN94452_c0_g2_i3.p1	GH7	32.932	128.184	32.038
TRINITY_DN94399_c1_g1_i4.p1	GH7	403.827	715.068	77.858
TRINITY_DN94399_c1_g1_i5.p1	GH7	1003.827	2171.869	1053.651
TRINITY_DN94399_c1_g1_i6.p1	GH7	384.678	490.448	167.544
TRINITY_DN94399_c1_g3_i1.p1	GH7	0	0.333	0.558
TRINITY_DN94452_c0_g1_i7.p1	GH7	37.118	24.403	47.926
TRINITY_DN94452_c0_g1_i5.p1	GH7	16.415	55.798	41.643
TRINITY_DN94399_c1_g1_i3.p1	GH7	246.314	226.256	65.633
TRINITY_DN92290_c1_g3_i2.p1	GH7	8.054	7.961	5.329
TRINITY_DN94452_c0_g6_i1.p1	GH7	200.586	380.635	284.867
TRINITY_DN94452_c0_g1_i1.p1	GH7	69.46	176.637	68.289
TRINITY_DN93555_c0_g5_i12.p2	GH7	0.374	0	1.503
TRINITY_DN94399_c1_g1_i7.p1	GH7	12.694	390.848	103.225
TRINITY_DN94452_c0_g4_i1.p2	GH7	17.447	173.229	39.645
TRINITY_DN90397_c2_g1_i1.p1	GH7	37.027	72.014	36.368
TRINITY_DN90397_c2_g3_i1.p1	GH7	22.597	61.233	28.275
TRINITY_DN92290_c1_g1_i6.p1	GH7	82.143	124.6	95.925
TRINITY_DN94452_c0_g7_i1.p1	GH7	0.51	0.274	1.386
TRINITY_DN94452_c0_g1_i2.p1	GH7	45.399	76.499	61.105
TRINITY_DN94191_c0_g1_i1.p1	GH73	0	0.225	0.369
TRINITY_DN85865_c0_g1_i1.p1	GH73	9.801	0	0



TRINITY_DN95540_c0_g1_i1.p1	GH77	0.488	0	0
TRINITY_DN85237_c0_g1_i2.p1	GH77	3.766	0	0
TRINITY_DN78869_c0_g1_i1.p1	GH77	10.437	0	0
TRINITY_DN40265_c0_g1_i1.p1	GH77	0	0	1.692
TRINITY_DN73110_c0_g1_i1.p1	GH77	0	0	1.179
TRINITY_DN95540_c1_g2_i1.p2	GH77	3.653	0	0
TRINITY_DN95540_c1_g3_i1.p1	GH77	5.15	0	0
TRINITY_DN95540_c1_g5_i1.p1	GH77	1.134	0	0
TRINITY_DN75832_c0_g1_i1.p1	GH77	4.367	0	0
TRINITY_DN65654_c0_g1_i1.p1	GH77	1.112	0	0
TRINITY_DN38365_c0_g1_i1.p1	GH77	0	0	0.999
TRINITY_DN75371_c0_g1_i1.p1	GH77	0	0.999	0
TRINITY_DN68936_c0_g1_i1.p1	GH77	6.103	0	0
TRINITY_DN85082_c0_g2_i2.p1	GH77	2.859	0	0
TRINITY_DN93102_c3_g1_i1.p1	GH77	7.646	0.078	0
TRINITY_DN32680_c0_g1_i1.p1	GH77	4.413	0	0
TRINITY_DN145669_c0_g1_i1.p1	GH77	1.225	0	0
TRINITY_DN112596_c0_g1_i1.p1	GH77	0.908	0	0
TRINITY_DN69459_c0_g1_i1.p1	GH78	0	0.47	0
TRINITY_DN168881_c0_g1_i1.p1	GH78	0.953	0	0
TRINITY_DN95272_c2_g1_i1.p1	GH78	17.254	0.02	0.009
TRINITY_DN44424_c0_g1_i1.p1	GH78	0.794	0	0
TRINITY_DN66353_c0_g2_i1.p1	GH8	1.168	0	0
TRINITY_DN47610_c0_g2_i1.p1	GH8	1.35	0	0
TRINITY_DN90984_c0_g1_i3.p2	GH87	144.251	124.228	32.317
TRINITY_DN80522_c0_g1_i2.p1	GH88	0	0.059	0
TRINITY_DN7989_c0_g1_i1.p2	GH88	2.7	0	0
TRINITY_DN93884_c4_g1_i1.p1	GH88	2.144	0	0
TRINITY_DN80522_c0_g1_i1.p1	GH88	1.6	0.02	0
TRINITY_DN67134_c0_g1_i1.p1	GH88	1.146	0	0
TRINITY_DN131842_c0_g1_i1.p1	GH88	3.982	0	0
TRINITY_DN131514_c0_g1_i1.p1	GH92	0	0.881	0
TRINITY_DN81929_c0_g1_i1.p1	GH92	32.24	64.846	11.054
TRINITY_DN82555_c0_g1_i1.p1	GH92	1.645	11.369	14.619
TRINITY_DN70138_c0_g2_i1.p1	GH94	0.737	0	0
TRINITY_DN74933_c0_g1_i1.p1	GH94	0.25	1.41	0
TRINITY_DN20342_c0_g1_i1.p1	GH94	1.792	0	0
TRINITY_DN83501_c0_g1_i1.p1	GH95	0	5.494	0.009
TRINITY_DN94272_c0_g2_i3.p1	GH95	3.244	0.529	0.513
TRINITY_DN89270_c0_g1_i1.p1	GH95	0.238	5.748	7.49
TRINITY_DN32640_c0_g1_i1.p2	GH95	2.87	0	0
TRINITY_DN94426_c0_g1_i1.p1	GH97	0	2.233	0
TRINITY_DN85404_c0_g1_i1.p1	GH97	6.092	0.02	0
TRINITY_DN80762_c0_g1_i1.p1	GH99	12.524	0.901	5.32
TRINITY_DN82198_c0_g1_i1.p1	GH99	2.893	9.9	1.278
TRINITY_DN133241_c0_g1_i1.p1	PL10_1	1.724	0	0
TRINITY_DN94825_c0_g1_i4.p1	PL12	7.646	0.509	0.036
TRINITY_DN113488_c0_g1_i1.p1	PL1_2	0.987	0	0
TRINITY_DN61793_c0_g1_i1.p1	PL22	0.817	0	0
TRINITY_DN102652_c0_g1_i1.p1	PL33_1	0	0.793	0.432
TRINITY_DN75797_c0_g3_i1.p2	PL8_3	1.758	0	0
TRINITY_DN75797_c0_g1_i1.p1	PL8_3	0.023	1.273	0

TRINITY_DN111022_c0_g1_i1.p1	PL9	1.554	0	0
TRINITY_DN99725_c0_g1_i1.p1	PL9_1	1.282	0	0

***c Holomastigotoides minor***

Protein ID*	GH/PL family	TMM		
		Library 1	Library 2	Library 3
TRINITY_DN66781_c0_g1_i1.p1	GH1	0	0	8.269
TRINITY_DN94619_c0_g1_i1.p1	GH1	0	0.803	0
TRINITY_DN60764_c0_g1_i1.p1	GH1	11.808	3.07	63.645
TRINITY_DN66518_c1_g1_i12.p1	GH1	0	0.009	4.257
TRINITY_DN69071_c1_g5_i1.p1	GH1	0	0	4.871
TRINITY_DN24065_c0_g1_i1.p1	GH10	0	0	1.197
TRINITY_DN61087_c0_g2_i1.p1	GH10	0	0	4.738
TRINITY_DN66431_c0_g1_i1.p1	GH103	3.301	0.265	0.102
TRINITY_DN73663_c0_g1_i1.p1	GH105	0	0	1.279
TRINITY_DN79525_c0_g1_i1.p2	GH105	0	0.397	0
TRINITY_DN47499_c0_g1_i1.p1	GH105	0	18.102	0
TRINITY_DN64359_c0_g1_i2.p1	GH105	1.972	0	0
TRINITY_DN64220_c5_g5_i1.p2	GH105	0	5.328	0
TRINITY_DN68855_c0_g1_i2.p1	GH105	1.041	0	0.266
TRINITY_DN64359_c0_g1_i1.p2	GH105	7.731	17.255	0
TRINITY_DN64147_c0_g1_i2.p2	GH109	0	0	0.993
TRINITY_DN55787_c0_g1_i1.p1	GH109	0	0.026	1.054
TRINITY_DN64147_c0_g1_i1.p1	GH109	0	0	1.525
TRINITY_DN67787_c0_g2_i2.p1	GH11	488.364	139.605	165.001
TRINITY_DN67787_c0_g3_i1.p2	GH11	5.018	3.379	4.145
TRINITY_DN61150_c3_g1_i1.p1	GH11	0	0.388	0
TRINITY_DN61150_c3_g1_i8.p1	GH11	0	1.632	0.737
TRINITY_DN61150_c3_g1_i6.p1	GH11	0	0.406	0.481
TRINITY_DN61150_c3_g1_i3.p1	GH11	0	0.856	0.102
TRINITY_DN61150_c3_g1_i2.p1	GH11	0	0.565	0.072
TRINITY_DN61150_c3_g1_i13.p1	GH11	0	0.856	0.297
TRINITY_DN61150_c3_g1_i4.p1	GH11	0	0.344	0.215
TRINITY_DN61150_c3_g1_i5.p1	GH11	0	0.273	0.102
TRINITY_DN71334_c0_g1_i1.p1	GH11	0	0.45	0.164
TRINITY_DN50589_c0_g2_i1.p1	GH115	0.033	0.644	0
TRINITY_DN35255_c0_g1_i1.p1	GH115	0	0	0.798
TRINITY_DN69545_c0_g1_i2.p1	GH116	0	0	2.589
TRINITY_DN65622_c0_g2_i1.p1	GH127	0	0	8.422
TRINITY_DN48875_c0_g1_i2.p1	GH13	0	0	3.162
TRINITY_DN48875_c0_g1_i1.p1	GH13	0	3.529	0
TRINITY_DN49267_c0_g4_i1.p1	GH13	0	0	1.31
TRINITY_DN48203_c0_g1_i1.p1	GH13	0	0	1.075
TRINITY_DN66056_c0_g2_i1.p1	GH13	0	0	1.781
TRINITY_DN40245_c0_g1_i1.p1	GH13	0	13.4	0
TRINITY_DN51957_c0_g1_i1.p1	GH133	0	1.641	0.123
TRINITY_DN64162_c1_g1_i1.p1	GH133	12.029	5.478	5.577
TRINITY_DN64162_c0_g2_i1.p2	GH133	1.617	0	0
TRINITY_DN74071_c0_g1_i1.p2	GH135	0	0	2.026
TRINITY_DN35363_c0_g2_i1.p1	GH13_1	0	0.741	0
TRINITY_DN2933_c0_g1_i1.p1	GH13_14	0	0	0.716
TRINITY_DN66056_c0_g3_i1.p1	GH13_14	0	0	1.32
TRINITY_DN49912_c0_g1_i1.p1	GH13_14	0	29.597	0

TRINITY_DN41667_c0_g1_i1.p1	GH13_16	0	0	1.873
TRINITY_DN68060_c1_g3_i1.p1	GH13_20	0	0	1.515
TRINITY_DN46419_c0_g1_i1.p2	GH13_23	0	0.088	0
TRINITY_DN64162_c1_g1_i1.p1	GH13_25	12.029	5.478	5.577
TRINITY_DN51957_c0_g1_i1.p1	GH13_25	0	1.641	0.123
TRINITY_DN64162_c0_g2_i1.p2	GH13_25	1.617	0	0
TRINITY_DN94677_c0_g1_i1.p2	GH13_3	0	0.238	0.194
TRINITY_DN58380_c0_g2_i2.p1	GH13_31	0	0	2.589
TRINITY_DN63141_c0_g3_i2.p1	GH13_36	0	0.009	3.039
TRINITY_DN63328_c0_g1_i1.p1	GH13_8	9.249	0.609	0.798
TRINITY_DN63328_c0_g1_i2.p1	GH13_8	8.307	13.4	0.942
TRINITY_DN42365_c0_g4_i1.p1	GH144	0	0.053	0.624
TRINITY_DN63559_c0_g1_i1.p1	GH154	19.672	31.758	7.645
TRINITY_DN63559_c0_g1_i3.p1	GH154	26.362	34.731	4.042
TRINITY_DN68962_c1_g2_i1.p2	GH16	0	0	2.333
TRINITY_DN83614_c0_g1_i1.p1	GH17	0	48.617	0
TRINITY_DN91581_c0_g1_i1.p1	GH18	0	0.406	0.154
TRINITY_DN87065_c0_g1_i1.p1	GH18	0	0	0.768
TRINITY_DN53262_c0_g1_i1.p1	GH18	5.45	0	0
TRINITY_DN59285_c0_g1_i1.p1	GH18	0	0.009	2.876
TRINITY_DN59580_c0_g2_i1.p1	GH18	0	0	1.944
TRINITY_DN50902_c0_g1_i1.p1	GH18	0	8.584	0
TRINITY_DN65720_c0_g1_i7.p1	GH18	0	0.635	0.287
TRINITY_DN68825_c1_g6_i2.p1	GH18	0	0	0
TRINITY_DN65720_c0_g1_i5.p1	GH18	0	0.529	0.481
TRINITY_DN55442_c0_g1_i4.p1	GH18	0	0.635	0.594
TRINITY_DN55442_c0_g1_i1.p1	GH18	0.078	0.829	1.474
TRINITY_DN64980_c0_g1_i1.p1	GH18	0	0.494	0.42
TRINITY_DN65720_c0_g1_i1.p1	GH18	0	0.459	0.553
TRINITY_DN64980_c1_g1_i2.p1	GH18	64.798	128.56	95.503
TRINITY_DN50745_c0_g1_i1.p1	GH18	0	0	2.006
TRINITY_DN8414_c0_g1_i1.p1	GH19	0	0.185	0.604
TRINITY_DN64151_c0_g2_i1.p1	GH2	0	0.018	1.126
TRINITY_DN68819_c0_g12_i1.p1	GH2	0	0	2.896
TRINITY_DN63552_c0_g2_i3.p1	GH2	0	0	2.026
TRINITY_DN31754_c0_g2_i1.p1	GH2	0	0.273	0
TRINITY_DN49451_c0_g2_i1.p1	GH2	0	0.053	1.443
TRINITY_DN63552_c0_g2_i6.p1	GH2	0	0	1.269
TRINITY_DN63552_c0_g1_i2.p1	GH2	0	0	1.545
TRINITY_DN63552_c0_g2_i4.p1	GH2	0	0	0.829
TRINITY_DN69298_c2_g7_i1.p1	GH2	0	0	1.535
TRINITY_DN48211_c0_g1_i1.p1	GH20	0.066	0.573	1.515
TRINITY_DN48211_c0_g1_i2.p1	GH20	0	0.124	0.594
TRINITY_DN75635_c0_g1_i1.p1	GH25	0	0.556	0.88
TRINITY_DN21662_c0_g1_i1.p1	GH25	0	0	0.696
TRINITY_DN61438_c0_g1_i1.p1	GH26	0	0.847	0.051
TRINITY_DN40911_c0_g1_i1.p1	GH26	0	0.785	0
TRINITY_DN40911_c0_g1_i2.p1	GH26	0	0.176	0
TRINITY_DN12389_c0_g1_i1.p1	GH26	0	0.097	0.307
TRINITY_DN53852_c0_g1_i1.p1	GH26	0	1.447	0.113
TRINITY_DN20328_c0_g1_i1.p1	GH26	0	0.362	0
TRINITY_DN46303_c0_g1_i1.p1	GH27	0	44.77	0

TRINITY_DN56866_c0_g1_i1.p1	GH27	0	0.326	0.194
TRINITY_DN56866_c0_g1_i2.p1	GH27	0	0.335	0.901
TRINITY_DN69298_c1_g1_i1.p1	GH29	0.022	0	2.661
TRINITY_DN86098_c0_g1_i1.p2	GH29	0	0	0.972
TRINITY_DN69501_c2_g6_i1.p1	GH3	0	0	2.139
TRINITY_DN94400_c0_g1_i1.p1	GH3	0	0.362	0.798
TRINITY_DN40929_c0_g2_i1.p2	GH3	0	0	1.781
TRINITY_DN64557_c0_g2_i2.p1	GH3	0	0.026	2.323
TRINITY_DN60065_c0_g2_i2.p1	GH3	0	9.219	1.658
TRINITY_DN68267_c0_g2_i2.p1	GH3	27.725	1.5	4.523
TRINITY_DN53522_c0_g1_i1.p1	GH3	10.689	28.75	36.218
TRINITY_DN53417_c0_g1_i2.p1	GH3	0	0.203	0.829
TRINITY_DN65065_c0_g1_i16.p1	GH3	45.901	22.963	70.143
TRINITY_DN68267_c0_g1_i3.p1	GH3	31.989	3.299	41.672
TRINITY_DN68267_c0_g1_i7.p1	GH3	6.402	0.053	7.491
TRINITY_DN25478_c0_g1_i1.p1	GH3	0	0	2.19
TRINITY_DN63821_c0_g1_i1.p1	GH3	0.111	0	2.354
TRINITY_DN63948_c6_g6_i1.p1	GH3	0	0.009	1.596
TRINITY_DN59619_c0_g1_i1.p1	GH3	0	1.041	0
TRINITY_DN64557_c0_g2_i4.p1	GH3	0	0.053	2.712
TRINITY_DN35777_c0_g1_i1.p1	GH3	0	0.468	1.054
TRINITY_DN69317_c0_g1_i3.p1	GH3	0	0	10.694
TRINITY_DN69317_c0_g1_i5.p1	GH3	0	0	0.348
TRINITY_DN38140_c0_g1_i1.p1	GH3	0	0.459	0.307
TRINITY_DN69377_c1_g1_i7.p1	GH3	1.13	0.318	8.494
TRINITY_DN49036_c0_g1_i1.p1	GH3	0	0	1.77
TRINITY_DN65065_c0_g1_i14.p1	GH3	16.138	3.52	17.029
TRINITY_DN68267_c0_g4_i1.p1	GH3	15.042	0	0.553
TRINITY_DN73300_c0_g1_i1.p1	GH3	2.426	0	0
TRINITY_DN73498_c0_g1_i1.p1	GH3	0	0	0.44
TRINITY_DN69317_c0_g6_i1.p2	GH3	0.41	0.026	20.683
TRINITY_DN68887_c0_g3_i6.p1	GH3	0	0	6.98
TRINITY_DN68267_c0_g1_i2.p1	GH3	4.143	0.079	8.238
TRINITY_DN38952_c0_g1_i1.p1	GH3	0	0	1.044
TRINITY_DN53282_c0_g1_i1.p1	GH3	1.462	0	0
TRINITY_DN69377_c1_g2_i1.p2	GH3	4.054	0.847	16.241
TRINITY_DN43941_c0_g1_i1.p3	GH3	0	0.582	0
TRINITY_DN60063_c0_g1_i1.p1	GH3	6.369	0.035	0
TRINITY_DN47038_c0_g1_i1.p1	GH3	0	0.45	0
TRINITY_DN60065_c0_g1_i1.p1	GH3	8.75	0.503	4.974
TRINITY_DN65065_c0_g1_i10.p1	GH3	32.809	13.1	100.169
TRINITY_DN69377_c1_g1_i2.p1	GH3	28.456	0.494	29.76
TRINITY_DN69377_c1_g1_i1.p2	GH3	16.05	21.031	141.555
TRINITY_DN69377_c1_g1_i12.p1	GH3	8.363	1.173	14.031
TRINITY_DN60063_c0_g1_i3.p1	GH3	4.12	8.654	2.599
TRINITY_DN52704_c0_g2_i1.p1	GH3	0	0	1.32
TRINITY_DN45251_c1_g1_i1.p1	GH3	0	0.079	0.89
TRINITY_DN77311_c0_g1_i1.p1	GH3	0	0	1.095
TRINITY_DN65065_c0_g1_i11.p1	GH3	24.889	0.062	37.354
TRINITY_DN45509_c0_g3_i1.p1	GH30	0	0	1.023
TRINITY_DN25652_c0_g2_i1.p1	GH30_1	0.066	0.273	0.604
TRINITY_DN56471_c0_g2_i1.p1	GH30_1	0	0.573	1.115

TRINITY_DN56471_c0_g1_i1.p1	GH30_1	0	0.273	0.501
TRINITY_DN64559_c0_g1_i2.p1	GH30_1	22.064	62.458	128.763
TRINITY_DN64559_c0_g1_i3.p1	GH30_1	40.008	106.752	361.553
TRINITY_DN65609_c0_g1_i3.p1	GH30_1	4.32	93.696	257.096
TRINITY_DN42541_c0_g1_i1.p1	GH30_4	0	0.035	1.177
TRINITY_DN68130_c0_g2_i2.p1	GH31	0	0	1.402
TRINITY_DN70708_c0_g1_i1.p1	GH31	0	0.185	0.757
TRINITY_DN60802_c0_g1_i2.p1	GH31	18.365	25.239	0.113
TRINITY_DN68276_c0_g6_i1.p1	GH31	2.171	0	0
TRINITY_DN64361_c0_g1_i1.p1	GH31	6.092	0.873	7.819
TRINITY_DN44862_c0_g1_i1.p1	GH31	5.693	0	0
TRINITY_DN58399_c0_g1_i1.p1	GH31	21.821	5.011	17.51
TRINITY_DN28055_c0_g1_i1.p1	GH31	0	0	1.341
TRINITY_DN62368_c0_g1_i1.p1	GH31	17.501	2.435	18.186
TRINITY_DN61355_c0_g1_i1.p1	GH31	10.478	0.803	23.026
TRINITY_DN63443_c0_g1_i1.p1	GH31	5.239	24.489	33.905
TRINITY_DN5654_c0_g1_i1.p1	GH31	0	0.626	0
TRINITY_DN61619_c0_g2_i1.p1	GH33	0	0	0.911
TRINITY_DN61619_c1_g1_i2.p1	GH33	0	0	2.497
TRINITY_DN67738_c0_g4_i1.p2	GH33	0	0	0.716
TRINITY_DN67738_c0_g4_i3.p1	GH33	0	0	0.266
TRINITY_DN67738_c4_g1_i1.p2	GH33	0	0	1.607
TRINITY_DN57387_c0_g1_i1.p1	GH33	0	0	2.118
TRINITY_DN68937_c0_g1_i1.p1	GH33	0	0	1.955
TRINITY_DN61619_c0_g2_i2.p1	GH33	0	0.044	0.655
TRINITY_DN69211_c0_g1_i7.p1	GH33	0.055	0.009	6.908
TRINITY_DN5698_c0_g1_i1.p2	GH33	0	0	0.942
TRINITY_DN23385_c0_g2_i1.p1	GH35	0	0.018	0.665
TRINITY_DN23385_c0_g1_i1.p2	GH35	0	0	1.136
TRINITY_DN22693_c0_g1_i1.p1	GH35	0	0	1.064
TRINITY_DN22693_c0_g1_i2.p2	GH35	0	0	0.358
TRINITY_DN59849_c0_g1_i1.p1	GH35	0.022	0.565	1.146
TRINITY_DN69574_c2_g1_i14.p1	GH35	0.753	0.723	2.354
TRINITY_DN69574_c2_g1_i11.p1	GH35	1.65	0	0
TRINITY_DN69574_c2_g1_i10.p1	GH35	2.249	1.535	1.259
TRINITY_DN68796_c1_g1_i4.p1	GH35	62.892	37.334	61.68
TRINITY_DN68796_c1_g1_i1.p1	GH35	89.598	55.383	62.396
TRINITY_DN69574_c2_g1_i2.p1	GH35	77.436	21.313	68.526
TRINITY_DN62488_c0_g1_i1.p1	GH36	0.022	0	3.346
TRINITY_DN69465_c0_g2_i1.p1	GH38	0	0	5.322
TRINITY_DN83200_c0_g1_i1.p1	GH38	0	0	0.839
TRINITY_DN53591_c0_g2_i1.p1	GH39	0	0.759	0
TRINITY_DN61259_c0_g1_i1.p1	GH39	0	0	6.785
TRINITY_DN67812_c0_g1_i6.p1	GH4	0.022	0	0.737
TRINITY_DN62350_c0_g2_i1.p1	GH4	0.011	0	5.69
TRINITY_DN67812_c0_g1_i1.p1	GH4	0.022	0	1.904
TRINITY_DN27013_c0_g2_i1.p1	GH4	0	0	1.064
TRINITY_DN80850_c0_g1_i1.p1	GH42	0	0	1.341
TRINITY_DN67960_c0_g1_i1.p1	GH42	0	0.053	8.586
TRINITY_DN22885_c0_g2_i1.p1	GH43_17	0	0	0.88
TRINITY_DN22885_c0_g1_i1.p2	GH43_17	0	0	0.389
TRINITY_DN35769_c0_g1_i1.p1	GH43_17	1.839	0	0.113

TRINITY_DN22446_c0_g1_i1.p1	GH43_19	0	0.026	0.952
TRINITY_DN48044_c0_g1_i1.p2	GH43_19	0	0	0.624
TRINITY_DN62208_c0_g2_i1.p1	GH43_19	0	0	4.718
TRINITY_DN48044_c0_g2_i1.p1	GH43_19	0	0	1.085
TRINITY_DN74283_c0_g1_i1.p1	GH43_19	0.089	0.662	0.092
TRINITY_DN69200_c0_g1_i2.p1	GH43_28	13.657	19.496	61.434
TRINITY_DN3415_c0_g1_i1.p1	GH43_4	0	0	1.31
TRINITY_DN62382_c0_g3_i1.p1	GH45	0	0.82	0.256
TRINITY_DN62382_c0_g2_i1.p1	GH45	0	0.291	0
TRINITY_DN68045_c0_g1_i2.p1	GH45	17.379	0.662	4.442
TRINITY_DN64335_c1_g1_i2.p1	GH47	20.658	0.873	13.611
TRINITY_DN63379_c0_g1_i2.p1	GH47	4.276	2.955	15.361
TRINITY_DN63004_c0_g1_i1.p1	GH47	11.619	0.009	12.936
TRINITY_DN64335_c0_g1_i1.p1	GH47	7.111	0	0
TRINITY_DN63212_c0_g1_i2.p1	GH47	9.493	0	6.98
TRINITY_DN65073_c0_g1_i1.p1	GH47	3.168	0	13.11
TRINITY_DN59440_c0_g1_i4.p1	GH50	0	0.018	4.247
TRINITY_DN67737_c0_g6_i3.p1	GH50	0	0.018	40.424
TRINITY_DN66213_c0_g1_i2.p1	GH51	0.775	0	8.32
TRINITY_DN15092_c0_g1_i1.p1	GH51	0	0	0.921
TRINITY_DN83701_c0_g1_i1.p1	GH51	0	0	1.044
TRINITY_DN66213_c0_g1_i3.p1	GH51	0	0	0.307
TRINITY_DN21226_c0_g1_i1.p1	GH51	0	0	1.412
TRINITY_DN69031_c2_g20_i1.p2	GH51	0	0.891	0.02
TRINITY_DN27133_c0_g1_i1.p1	GH51	0	0.009	1.689
TRINITY_DN65188_c0_g6_i1.p1	GH53	1.817	0.053	0
TRINITY_DN65188_c0_g3_i1.p1	GH53	14.555	8.125	0
TRINITY_DN65188_c0_g1_i1.p1	GH53	3.6	0	0.358
TRINITY_DN55394_c0_g1_i1.p1	GH53	0.111	0.776	0.675
TRINITY_DN65188_c0_g2_i1.p1	GH53	125.818	6.802	84.45
TRINITY_DN65188_c0_g1_i3.p1	GH53	0	0	0
TRINITY_DN48319_c0_g2_i1.p1	GH55	0	1.041	0
TRINITY_DN31150_c0_g2_i1.p2	GH57	0	0	1.156
TRINITY_DN37628_c0_g1_i1.p1	GH5_1	0	0.529	0
TRINITY_DN44750_c0_g1_i1.p1	GH5_1	0	1.756	0.716
TRINITY_DN44363_c0_g1_i1.p1	GH5_1	0	0.273	0.184
TRINITY_DN20537_c0_g1_i1.p1	GH5_1	0	1.447	0.44
TRINITY_DN46766_c0_g1_i1.p1	GH5_1	0	0.503	0
TRINITY_DN16914_c0_g1_i1.p1	GH5_1	0	0.494	0.113
TRINITY_DN46766_c0_g2_i1.p1	GH5_1	0	0.653	0.133
TRINITY_DN93065_c0_g1_i1.p1	GH5_1	0	0.565	0
TRINITY_DN56858_c0_g1_i1.p1	GH5_1	0	0.653	0.092
TRINITY_DN95253_c0_g1_i1.p2	GH5_1	0	0.282	0.461
TRINITY_DN68051_c1_g1_i1.p1	GH5_1	30.228	1.667	1.474
TRINITY_DN68051_c2_g1_i1.p1	GH5_1	71.798	16.285	35.153
TRINITY_DN56858_c0_g1_i2.p1	GH5_1	0	0.503	0.031
TRINITY_DN68051_c2_g2_i1.p1	GH5_1	282.296	124.996	138.925
TRINITY_DN2664_c0_g1_i1.p1	GH5_1	0	0.185	0.757
TRINITY_DN68051_c2_g2_i2.p1	GH5_1	7.155	1.023	4.401
TRINITY_DN49433_c0_g1_i1.p1	GH5_1	0	1.297	0.164
TRINITY_DN79451_c0_g1_i1.p2	GH5_12	0	0	1.31
TRINITY_DN89269_c0_g1_i1.p1	GH5_2	0	0.538	0.317

TRINITY_DN67184_c0_g1_i8.p1	GH5_2	0	2.011	0.041
TRINITY_DN67184_c0_g1_i3.p1	GH5_2	0	0.653	0
TRINITY_DN67184_c0_g1_i4.p1	GH5_2	0	0.847	0
TRINITY_DN67184_c0_g1_i1.p1	GH5_2	0	0.582	0.276
TRINITY_DN48307_c0_g1_i1.p1	GH5_2	0	1.676	0.061
TRINITY_DN67184_c0_g1_i7.p1	GH5_2	0	0.644	0
TRINITY_DN50613_c0_g1_i1.p1	GH5_4	0	1.253	0
TRINITY_DN43138_c0_g1_i1.p1	GH5_4	0	0.159	1.289
TRINITY_DN57379_c0_g2_i1.p1	GH5_4	13.912	51.581	108.612
TRINITY_DN48749_c0_g1_i1.p1	GH62	0	0.468	0.061
TRINITY_DN55964_c0_g1_i1.p2	GH63	0	0	17.387
TRINITY_DN61665_c0_g1_i1.p1	GH67	57.709	17.494	48.089
TRINITY_DN69569_c1_g2_i15.p1	GH7	0	1.756	0.368
TRINITY_DN69569_c1_g3_i2.p1	GH7	0	0.706	0.287
TRINITY_DN68216_c1_g2_i4.p1	GH7	191.701	91.808	114.087
TRINITY_DN68520_c0_g2_i1.p1	GH7	0	0.697	0.041
TRINITY_DN68216_c1_g2_i5.p1	GH7	0.709	0.565	309.33
TRINITY_DN68828_c0_g1_i3.p1	GH7	41.216	0.282	0
TRINITY_DN68216_c1_g1_i5.p1	GH7	161.119	54.916	159.812
TRINITY_DN68216_c1_g3_i1.p1	GH7	6.391	0.053	0
TRINITY_DN68940_c0_g2_i3.p1	GH7	1281.166	567.672	1058.676
TRINITY_DN68828_c0_g1_i2.p1	GH7	6.69	0	0
TRINITY_DN68216_c1_g2_i3.p1	GH7	685.426	903.182	952.53
TRINITY_DN68828_c0_g1_i4.p1	GH7	118.43	227.875	283.049
TRINITY_DN82688_c0_g1_i1.p1	GH7	0	0.309	0.481
TRINITY_DN10487_c0_g1_i1.p1	GH7	0	0.812	0
TRINITY_DN6781_c0_g1_i1.p1	GH7	0	0.494	0.491
TRINITY_DN64290_c1_g1_i1.p1	GH7	0	1.844	0.215
TRINITY_DN64120_c3_g2_i1.p1	GH7	0	0.812	0.297
TRINITY_DN64120_c3_g1_i8.p1	GH7	0	0.441	0.297
TRINITY_DN64120_c3_g1_i5.p1	GH7	0	0.265	0.154
TRINITY_DN60468_c0_g2_i1.p1	GH7	58.362	48.97	53.963
TRINITY_DN59254_c0_g5_i1.p1	GH7	0.044	0.371	1.208
TRINITY_DN59254_c0_g2_i1.p1	GH7	0	1.129	0
TRINITY_DN59254_c0_g1_i1.p1	GH7	0	0.529	0.205
TRINITY_DN68216_c0_g1_i1.p1	GH7	0.044	0.291	0.461
TRINITY_DN56183_c0_g1_i1.p1	GH7	0	0.944	0.317
TRINITY_DN56054_c2_g1_i1.p1	GH7	0	0.52	0
TRINITY_DN53777_c0_g3_i2.p1	GH7	0	0.697	0.133
TRINITY_DN53777_c0_g1_i1.p1	GH7	0	0.873	0.379
TRINITY_DN52750_c0_g1_i2.p1	GH7	0	0.812	0.317
TRINITY_DN52750_c0_g1_i1.p1	GH7	0	0.238	0.174
TRINITY_DN52420_c0_g2_i1.p1	GH7	0	0.423	0.215
TRINITY_DN52420_c0_g1_i1.p1	GH7	0	0.573	0.338
TRINITY_DN51792_c0_g2_i1.p1	GH7	0	1.606	0.174
TRINITY_DN50509_c0_g1_i1.p1	GH7	0	0.812	0.133
TRINITY_DN50100_c1_g1_i1.p1	GH7	0	0.644	0.389
TRINITY_DN48575_c0_g1_i1.p1	GH7	0	1.561	0.297
TRINITY_DN36829_c0_g1_i1.p1	GH7	0	0.45	0.082
TRINITY_DN33738_c0_g1_i1.p1	GH7	0	0.212	0.092
TRINITY_DN64290_c1_g2_i1.p1	GH7	642.615	1265.695	1168.475
TRINITY_DN64290_c1_g3_i1.p1	GH7	0	0.573	0.123

TRINITY_DN58360_c0_g1_i1.p1	GH7	0	1.041	0.041
TRINITY_DN64491_c1_g3_i1.p1	GH7	183.992	104.564	231.961
TRINITY_DN848_c0_g1_i1.p1	GH7	0	0.344	0
TRINITY_DN66902_c1_g2_i1.p1	GH7	4.84	0	0.338
TRINITY_DN31518_c0_g1_i1.p1	GH7	0	0.688	0
TRINITY_DN64491_c1_g1_i1.p1	GH7	0	0.75	1.535
TRINITY_DN65325_c1_g2_i7.p1	GH7	0.066	0	6.56
TRINITY_DN65325_c1_g2_i5.p1	GH7	568.569	324.756	457.424
TRINITY_DN65325_c1_g2_i4.p1	GH7	50.863	11.998	26.936
TRINITY_DN65325_c1_g2_i3.p2	GH7	410.418	170.648	224.45
TRINITY_DN65226_c0_g2_i2.p1	GH7	62.228	151.637	91.071
TRINITY_DN65226_c0_g1_i1.p2	GH7	284.124	400.967	329.542
TRINITY_DN65325_c1_g3_i1.p1	GH7	1.972	0.088	0
TRINITY_DN848_c0_g1_i2.p1	GH7	0	0	0
TRINITY_DN20914_c0_g1_i1.p1	GH7	0	0	0.501
TRINITY_DN65125_c1_g1_i2.p1	GH7	0	1.835	0.389
TRINITY_DN50100_c0_g1_i1.p1	GH7	0	0.512	0
TRINITY_DN68223_c0_g3_i1.p1	GH73	0	0	0.655
TRINITY_DN51470_c0_g1_i1.p1	GH73	0	0	6.417
TRINITY_DN65684_c4_g1_i1.p1	GH77	0	0	0.931
TRINITY_DN58764_c0_g1_i2.p1	GH77	0	0	2.006
TRINITY_DN65921_c0_g1_i1.p2	GH77	0	0	2.149
TRINITY_DN65684_c4_g4_i1.p1	GH77	0	0	1.013
TRINITY_DN49533_c0_g1_i1.p1	GH78	0	0	1.136
TRINITY_DN60339_c0_g1_i2.p1	GH8	0	0.759	0
TRINITY_DN69379_c1_g2_i3.p1	GH87	0.055	0.856	1.412
TRINITY_DN52851_c0_g1_i1.p1	GH87	0.033	0.909	1.76
TRINITY_DN19116_c0_g1_i1.p1	GH88	0.078	0	0.972
TRINITY_DN66630_c0_g1_i1.p2	GH88	0	0	7.757
TRINITY_DN69268_c0_g1_i4.p1	GH9	64.144	42.847	71.883
TRINITY_DN69268_c0_g1_i3.p1	GH9	321.607	197.528	216.324
TRINITY_DN53296_c0_g1_i1.p1	GH9	0	1.685	0.154
TRINITY_DN68916_c0_g3_i1.p2	GH9	0.953	0	0
TRINITY_DN62864_c0_g1_i4.p2	GH92	0	0.459	0
TRINITY_DN63182_c0_g1_i3.p1	GH92	10.523	71.306	109.646
TRINITY_DN52879_c0_g1_i1.p1	GH95	0	0.485	1.443
TRINITY_DN53381_c0_g1_i1.p1	GH95	0.033	0.318	0.583
TRINITY_DN74921_c0_g1_i1.p1	GH95	0	0	3.735
TRINITY_DN55020_c0_g1_i1.p1	GH95	0	0.829	0.02
TRINITY_DN65841_c1_g1_i1.p1	GH99	15.95	13.683	3.398
TRINITY_DN65926_c0_g2_i4.p1	PL1	0	0.15	0
TRINITY_DN47246_c0_g1_i1.p1	PL1	0	0.309	0.819
TRINITY_DN73927_c0_g1_i1.p1	PL1	0	0	1.433
TRINITY_DN70181_c0_g1_i1.p1	PL1	0	0.273	0.839
TRINITY_DN65926_c0_g1_i1.p1	PL1	0	0.326	1.023
TRINITY_DN68668_c4_g4_i1.p1	PL1	0	0.009	8.944
TRINITY_DN49498_c0_g2_i2.p1	PL1	0	0.318	0
TRINITY_DN68379_c1_g3_i1.p1	PL1	25.554	0.309	17.091
TRINITY_DN62274_c0_g1_i1.p1	PL1	57.454	232.63	142.671
TRINITY_DN66330_c0_g1_i1.p1	PL10_1	1.551	0.018	12.526
TRINITY_DN70357_c0_g1_i1.p1	PL14_4	0	8.522	0
TRINITY_DN38077_c0_g1_i1.p2	PL33_2	1.396	0	0



TRINITY_DN69794_c2_g3_i1.p1	PL8_3	0	0	4.37
TRINITY_DN33735_c0_g2_i1.p1	PL9	1.108	0	0
TRINITY_DN614_c0_g2_i1.p1	PL9_1	0	0	0.757

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Protein ID*	GH/PL family	TMM		
		Library 1	Library 2	Library 3
TRINITY_DN35283_c3_g1_i1.p1	GH1	1.02	0	0
TRINITY_DN30197_c0_g1_i5.p2	GH105	0.019	2.801	13.597
TRINITY_DN35311_c0_g2_i3.p1	GH105	13.628	0.161	21.085
TRINITY_DN24233_c0_g1_i1.p1	GH105	0	7.689	4.965
TRINITY_DN17150_c0_g1_i1.p1	GH105	0	1.229	0
TRINITY_DN35311_c0_g2_i2.p1	GH105	49.705	0.161	53.888
TRINITY_DN35311_c0_g5_i1.p1	GH105	0	0.282	8.448
TRINITY_DN35311_c0_g3_i1.p1	GH105	29.141	20.003	22.812
TRINITY_DN30197_c0_g1_i2.p1	GH105	22.099	0.232	1.43
TRINITY_DN29181_c0_g1_i4.p1	GH11	0.204	0	0.092
TRINITY_DN31544_c1_g4_i1.p2	GH115	0	0	0.695
TRINITY_DN31544_c1_g1_i1.p1	GH115	0.087	14.35	2.952
TRINITY_DN25182_c0_g1_i1.p1	GH120	0	2.469	21.78
TRINITY_DN24938_c0_g1_i3.p1	GH120	0	16.063	13.505
TRINITY_DN29622_c0_g1_i1.p1	GH133	23.527	13.252	9.358
TRINITY_DN21054_c0_g1_i1.p2	GH133	0	4.756	0
TRINITY_DN34793_c0_g1_i5.p1	GH13_11	0.282	1.602	0
TRINITY_DN30091_c0_g1_i1.p1	GH13_20	23.925	0.05	0
TRINITY_DN21054_c0_g1_i1.p2	GH13_25	0	4.756	0
TRINITY_DN15638_c0_g1_i1.p1	GH13_25	0.758	0	0.153
TRINITY_DN29622_c0_g1_i1.p1	GH13_25	23.527	13.252	9.358
TRINITY_DN35140_c2_g1_i1.p1	GH13_3	0	0.977	0
TRINITY_DN35836_c0_g3_i2.p1	GH13_32	33.075	31.703	19.216
TRINITY_DN35836_c0_g1_i1.p1	GH13_32	3.39	10.047	23.486
TRINITY_DN22659_c0_g1_i1.p1	GH13_37	2.652	8.122	2.278
TRINITY_DN30781_c0_g1_i1.p1	GH13_8	74.553	137.283	222.039
TRINITY_DN27583_c0_g1_i1.p1	GH158	6.479	2.539	37.706
TRINITY_DN35247_c0_g2_i7.p1	GH158	18.262	0	2.125
TRINITY_DN35247_c0_g2_i5.p1	GH158	7.548	0.695	0.858
TRINITY_DN35247_c0_g2_i10.p1	GH158	13.92	0	2.176
TRINITY_DN35247_c0_g2_i6.p1	GH158	5.148	2.711	0
TRINITY_DN35218_c0_g1_i3.p1	GH18	118.634	187.176	407.444
TRINITY_DN32704_c0_g2_i3.p1	GH18	73.786	91.462	232.377
TRINITY_DN27620_c0_g1_i1.p1	GH18	287.838	94.525	117.838
TRINITY_DN32704_c0_g1_i2.p1	GH18	98.828	114.851	142.56
TRINITY_DN35923_c0_g1_i16.p1	GH18	30.249	28.791	9.521
TRINITY_DN35622_c1_g1_i7.p1	GH18	1332.931	410.267	383.386
TRINITY_DN35622_c1_g1_i8.p1	GH18	364.586	126.893	154.768
TRINITY_DN35827_c0_g1_i3.p2	GH18	1.001	0.071	0
TRINITY_DN31942_c1_g1_i3.p1	GH18	95.943	56.433	35.632
TRINITY_DN31942_c1_g2_i8.p1	GH18	2933.407	3029.338	3000.407
TRINITY_DN34102_c0_g1_i1.p1	GH18	0	8.898	10.798
TRINITY_DN35700_c0_g1_i1.p1	GH18	2439.958	1862.376	1334.326
TRINITY_DN34800_c0_g2_i5.p1	GH18	19.865	70.995	0
TRINITY_DN34800_c0_g1_i1.p1	GH18	472.487	294.64	326.474
TRINITY_DN35622_c1_g2_i1.p2	GH18	1078.984	494.695	596.874

TRINITY_DN34102_c0_g1_i2.p1	GH18	0	0.101	6.569
TRINITY_DN34102_c0_g1_i4.p1	GH18	0	16.537	1.512
TRINITY_DN35218_c0_g1_i5.p1	GH18	28.549	55.254	104.119
TRINITY_DN35622_c1_g3_i1.p1	GH18	151.709	98.062	109.257
TRINITY_DN34102_c0_g1_i7.p1	GH18	35.912	0	0.082
TRINITY_DN34800_c0_g2_i1.p1	GH18	105.841	76.336	133.111
TRINITY_DN34800_c0_g2_i3.p1	GH18	149.116	10.45	104.599
TRINITY_DN34800_c0_g2_i6.p1	GH18	31.677	58.781	3.187
TRINITY_DN35608_c0_g1_i7.p1	GH2	6.265	31.925	67.025
TRINITY_DN35294_c0_g1_i3.p1	GH2	1.583	10.964	3.616
TRINITY_DN29944_c0_g2_i1.p1	GH2	0.651	11.095	27.664
TRINITY_DN46631_c0_g1_i1.p1	GH2	0.398	0.131	0
TRINITY_DN35748_c0_g1_i2.p1	GH2	2.982	6.308	0
TRINITY_DN35575_c0_g1_i8.p1	GH2	16.688	118.741	134.051
TRINITY_DN35575_c0_g1_i10.p1	GH2	151.36	404.09	459.615
TRINITY_DN30567_c0_g1_i1.p1	GH2	18.806	24.115	7.335
TRINITY_DN28102_c0_g1_i1.p1	GH20	73.319	7.699	9.163
TRINITY_DN30824_c0_g3_i1.p1	GH20	8.577	0.282	0
TRINITY_DN30824_c0_g2_i1.p1	GH20	5.479	15.086	13.045
TRINITY_DN19904_c0_g1_i1.p1	GH20	12.774	0	0
TRINITY_DN30824_c0_g1_i1.p1	GH20	0.447	1.048	0
TRINITY_DN31644_c0_g1_i1.p1	GH20	47.627	0	2.247
TRINITY_DN22702_c0_g1_i1.p1	GH20	5.207	0	0
TRINITY_DN34327_c0_g1_i7.p1	GH20	3.39	0.605	0
TRINITY_DN28766_c0_g1_i1.p1	GH20	25.479	35.633	33.988
TRINITY_DN34327_c0_g1_i6.p1	GH20	18.971	18.693	9.388
TRINITY_DN34327_c0_g1_i5.p1	GH20	191.021	56.624	64.155
TRINITY_DN17248_c0_g1_i1.p1	GH23	1.185	0	0
TRINITY_DN34981_c0_g2_i1.p1	GH23	0	0.494	0
TRINITY_DN34172_c0_g2_i3.p1	GH25	26.587	81.949	39.698
TRINITY_DN20806_c0_g1_i1.p1	GH25	2.399	0	0.286
TRINITY_DN18572_c0_g2_i1.p1	GH26	0.69	0	0.082
TRINITY_DN16988_c1_g1_i1.p1	GH26	0.359	0	0.215
TRINITY_DN35998_c0_g1_i2.p1	GH27	18.349	6.198	5.404
TRINITY_DN35998_c0_g1_i12.p1	GH27	12.579	13.786	1.778
TRINITY_DN35998_c0_g1_i9.p1	GH27	6.479	0	4.331
TRINITY_DN35998_c0_g1_i6.p1	GH27	50.91	26.211	64.604
TRINITY_DN35998_c0_g1_i5.p1	GH27	0.029	0.05	8.367
TRINITY_DN43042_c0_g1_i2.p1	GH28	0	0	0.419
TRINITY_DN29897_c0_g1_i1.p1	GH3	0.029	8.566	2.717
TRINITY_DN32853_c0_g1_i1.p1	GH3	0.69	0	0
TRINITY_DN18756_c0_g1_i1.p1	GH3	0	0	1.236
TRINITY_DN33009_c0_g1_i2.p1	GH3	87.463	103.645	135.552
TRINITY_DN30451_c4_g2_i1.p1	GH3	0	6.087	0.47
TRINITY_DN35358_c0_g1_i4.p1	GH3	20.953	12.345	14.098
TRINITY_DN35358_c0_g1_i3.p1	GH3	13.386	17.827	20.942
TRINITY_DN35358_c0_g1_i1.p1	GH3	22.487	21.757	22.321
TRINITY_DN35358_c0_g1_i2.p1	GH3	0	0	12.994
TRINITY_DN20856_c0_g1_i2.p2	GH3	0	1.451	0
TRINITY_DN19322_c0_g2_i1.p1	GH3	0.69	1.26	21.198
TRINITY_DN31036_c0_g1_i1.p1	GH3	109.727	119.97	85.71
TRINITY_DN28846_c0_g1_i1.p1	GH3	19.641	0	2.125

TRINITY_DN22425_c0_g3_i1.p1	GH3	0	0	0.756
TRINITY_DN8878_c0_g1_i1.p2	GH3	0.962	0	0
TRINITY_DN22425_c0_g1_i1.p1	GH3	0	0	0.93
TRINITY_DN34328_c0_g1_i3.p1	GH3	13.502	163.927	255.556
TRINITY_DN34328_c0_g2_i1.p1	GH3	70.59	8.052	30.208
TRINITY_DN33719_c0_g1_i1.p1	GH3	81.586	29.355	42.048
TRINITY_DN35599_c0_g2_i1.p1	GH30_1	88.599	3.85	11.156
TRINITY_DN35599_c0_g2_i7.p1	GH30_1	75.728	14.018	20.82
TRINITY_DN31778_c0_g1_i1.p1	GH30_1	0.194	16.134	0.215
TRINITY_DN31732_c0_g1_i2.p1	GH30_1	33.804	78.744	255.842
TRINITY_DN34412_c0_g1_i3.p1	GH30_1	408.764	335.604	348.387
TRINITY_DN32602_c0_g2_i1.p1	GH30_1	3.497	0.302	12.157
TRINITY_DN32602_c0_g3_i1.p1	GH30_1	106.754	71.257	134.224
TRINITY_DN35599_c0_g2_i6.p1	GH30_1	42.653	19.238	0
TRINITY_DN35599_c0_g2_i2.p1	GH30_1	0	11.256	6.375
TRINITY_DN35444_c2_g4_i1.p1	GH30_1	181.579	171.455	62.398
TRINITY_DN32602_c0_g1_i2.p1	GH30_1	122.073	117.259	83.381
TRINITY_DN35695_c0_g1_i11.p1	GH31	2.428	9.563	0
TRINITY_DN32897_c0_g1_i1.p1	GH31	9.218	51.485	27.204
TRINITY_DN35695_c0_g1_i5.p1	GH31	0	2.056	0.112
TRINITY_DN32897_c0_g1_i2.p1	GH31	0.029	0	13.178
TRINITY_DN35695_c0_g3_i2.p1	GH31	14.541	19.268	8.367
TRINITY_DN32897_c0_g1_i4.p1	GH31	0	0	0
TRINITY_DN26538_c0_g1_i1.p1	GH31	13.065	11.549	20.493
TRINITY_DN31620_c0_g2_i3.p1	GH31	0.991	18.935	99.756
TRINITY_DN31620_c0_g1_i4.p1	GH31	3.235	8.011	3.259
TRINITY_DN26777_c0_g1_i1.p1	GH31	2.079	20.326	7.764
TRINITY_DN31620_c0_g1_i3.p1	GH31	42.896	20.296	39.32
TRINITY_DN31620_c0_g1_i14.p1	GH31	13.454	38.294	15.16
TRINITY_DN31620_c0_g1_i1.p1	GH31	3.623	43.715	2.033
TRINITY_DN35708_c0_g1_i2.p1	GH31	5.799	23.127	14.935
TRINITY_DN36073_c0_g3_i1.p1	GH31	0.078	0.796	15.16
TRINITY_DN25746_c0_g1_i1.p1	GH31	5.887	5.653	3.392
TRINITY_DN28930_c0_g1_i1.p1	GH31	1.282	0.927	10.379
TRINITY_DN25737_c0_g1_i1.p1	GH31	45.509	45.902	39.678
TRINITY_DN22312_c0_g1_i1.p1	GH31	8.043	0	9.133
TRINITY_DN24862_c0_g3_i1.p2	GH31	1.02	0	0
TRINITY_DN35947_c1_g1_i9.p1	GH35	0.068	0.897	1.093
TRINITY_DN35947_c1_g1_i11.p1	GH35	25.285	18.542	10.062
TRINITY_DN35947_c1_g1_i4.p1	GH35	32.366	59.426	49.996
TRINITY_DN35947_c1_g1_i10.p1	GH35	21.691	61.26	46.543
TRINITY_DN35863_c0_g1_i4.p1	GH35	76.855	7.689	35.142
TRINITY_DN35863_c0_g1_i13.p1	GH35	31.094	0.423	1.011
TRINITY_DN35863_c0_g1_i12.p1	GH35	5.459	13.997	1.89
TRINITY_DN32301_c0_g2_i1.p1	GH35	73.29	11.942	0.776
TRINITY_DN31253_c0_g1_i2.p1	GH35	85.044	46.759	28.737
TRINITY_DN29615_c0_g1_i1.p1	GH35	5.848	2.62	6.773
TRINITY_DN31921_c0_g1_i1.p1	GH36	22.196	44.612	15.181
TRINITY_DN33415_c0_g1_i1.p1	GH36	4.585	2.207	1.257
TRINITY_DN31288_c1_g6_i1.p1	GH4	0.865	1.159	0
TRINITY_DN20634_c0_g1_i1.p2	GH4	1.496	0	0
TRINITY_DN3433_c0_g1_i1.p2	GH42	0.641	0	0

TRINITY_DN43544_c0_g1_i1.p1	GH42	0.797	0	0
TRINITY_DN34694_c0_g1_i2.p1	GH43_2	5.916	11.145	0.96
TRINITY_DN34694_c0_g1_i5.p1	GH43_2	6.246	8.354	9.96
TRINITY_DN34694_c0_g3_i1.p1	GH43_2	0.359	4.817	22.638
TRINITY_DN34694_c0_g4_i1.p2	GH43_2	312.725	661.746	683.963
TRINITY_DN23320_c0_g1_i2.p1	GH43_2	0	0	1.522
TRINITY_DN33036_c0_g1_i1.p1	GH43_28	142.316	11.911	32.66
TRINITY_DN33036_c0_g2_i2.p1	GH43_28	6.265	7.387	2.922
TRINITY_DN32597_c1_g1_i1.p1	GH43_28	177.033	37.336	30.586
TRINITY_DN28886_c0_g1_i2.p1	GH45	0.165	0	21.034
TRINITY_DN10879_c0_g1_i1.p1	GH45	0.408	0.101	0
TRINITY_DN23777_c0_g1_i1.p1	GH47	11.715	0	0
TRINITY_DN43831_c0_g1_i1.p1	GH5	0.223	0.393	0.133
TRINITY_DN33803_c1_g1_i1.p1	GH53	180.239	32.489	78.303
TRINITY_DN33803_c0_g1_i1.p1	GH53	0	3.829	0
TRINITY_DN34529_c0_g1_i1.p1	GH55	1070.902	564.732	278.593
TRINITY_DN22003_c1_g2_i1.p1	GH55	0	1.129	0.072
TRINITY_DN3463_c0_g1_i1.p1	GH5_1	0.223	0.191	0
TRINITY_DN23372_c0_g1_i1.p1	GH5_1	0.515	0.131	2.544
TRINITY_DN29816_c0_g1_i1.p1	GH5_1	13.648	2.005	10.849
TRINITY_DN23480_c0_g1_i1.p1	GH5_1	0.117	69.634	17.888
TRINITY_DN29380_c0_g1_i1.p1	GH5_1	22.041	38.677	38.38
TRINITY_DN43258_c0_g1_i1.p1	GH5_1	0.427	0.161	0.112
TRINITY_DN47092_c0_g1_i1.p1	GH5_1	0.651	0.121	0.031
TRINITY_DN47172_c0_g1_i1.p1	GH5_1	0.233	0	0.184
TRINITY_DN23372_c0_g1_i3.p1	GH5_1	0	0	6.099
TRINITY_DN15218_c0_g1_i1.p1	GH5_2	0	2.791	0
TRINITY_DN43534_c0_g1_i1.p1	GH5_2	0.418	0	0.245
TRINITY_DN19972_c0_g2_i1.p1	GH5_2	0.777	0.302	0.306
TRINITY_DN38224_c0_g1_i1.p1	GH5_2	1.583	0.464	0.153
TRINITY_DN23628_c0_g1_i2.p1	GH5_2	0.729	0	0.184
TRINITY_DN31229_c0_g1_i2.p1	GH5_4	8.781	0	23.476
TRINITY_DN31229_c0_g2_i1.p1	GH5_4	755.118	251.499	324.042
TRINITY_DN20848_c0_g1_i1.p1	GH63	9.801	0	0
TRINITY_DN16324_c0_g1_i1.p1	GH63	0	0	1.686
TRINITY_DN19431_c0_g1_i1.p1	GH67	14.648	15.136	6.65
TRINITY_DN7541_c0_g1_i1.p1	GH7	0.884	0.071	0.102
TRINITY_DN34169_c0_g1_i1.p1	GH7	0.253	0.584	0
TRINITY_DN36016_c1_g2_i1.p1	GH7	1.758	0	0.194
TRINITY_DN36016_c0_g1_i1.p1	GH7	0	1.945	0.031
TRINITY_DN36016_c1_g4_i2.p1	GH7	2.098	0	0
TRINITY_DN36016_c1_g3_i3.p1	GH7	0.719	0	0
TRINITY_DN34169_c0_g1_i3.p1	GH7	0	1.219	0.419
TRINITY_DN36016_c1_g1_i5.p1	GH7	2.584	0	0.276
TRINITY_DN10453_c0_g1_i1.p1	GH7	0.282	0	0.327
TRINITY_DN31592_c0_g2_i1.p1	GH7	0	0	5.741
TRINITY_DN33576_c1_g5_i1.p1	GH7	17.29	28.68	116.418
TRINITY_DN30829_c0_g2_i2.p1	GH7	7.178	6.631	15.875
TRINITY_DN31592_c0_g6_i1.p1	GH7	9.51	30.544	15.129
TRINITY_DN31509_c2_g1_i1.p1	GH7	1.962	0.383	0.368
TRINITY_DN34169_c0_g2_i1.p1	GH7	0.719	0	0.143
TRINITY_DN33008_c0_g1_i1.p1	GH7	7.79	53.793	176.313

TRINITY_DN34169_c0_g3_i3.p1	GH7	0.039	1.119	0
TRINITY_DN21835_c0_g1_i1.p1	GH7	0.301	1.985	0.123
TRINITY_DN18146_c0_g1_i1.p1	GH7	0.418	0	0
TRINITY_DN34169_c0_g3_i1.p1	GH7	0.835	0.111	0.153
TRINITY_DN31592_c0_g1_i5.p1	GH7	0	2.812	0.072
TRINITY_DN17617_c1_g1_i1.p1	GH7	34.358	43.171	21.616
TRINITY_DN17617_c0_g1_i1.p1	GH7	0.34	0.242	0.163
TRINITY_DN15665_c0_g1_i1.p1	GH7	0.398	0.101	0.398
TRINITY_DN12633_c0_g1_i1.p1	GH7	1.049	0.171	0.112
TRINITY_DN31509_c3_g1_i1.p1	GH7	29.559	38.798	156.382
TRINITY_DN32666_c0_g1_i2.p1	GH7	55.485	544.708	1061.443
TRINITY_DN34793_c0_g1_i5.p1	GH77	0.282	1.602	0
TRINITY_DN14565_c0_g1_i1.p1	GH8	1.039	0.514	0.174
TRINITY_DN35856_c0_g2_i2.p1	GH81	1071.864	1128.366	268.081
TRINITY_DN31204_c0_g1_i1.p1	GH87	17.3	12.204	11.339
TRINITY_DN29761_c0_g1_i1.p1	GH87	3.798	0	0.827
TRINITY_DN31107_c0_g1_i2.p1	GH87	0.01	8.022	9.072
TRINITY_DN30030_c0_g1_i2.p1	GH87	66.976	265.678	104.078
TRINITY_DN40222_c0_g1_i1.p1	GH9	0.777	0	0
TRINITY_DN33511_c0_g1_i2.p1	GH9	14.007	8.576	9.817
TRINITY_DN35100_c0_g2_i4.p1	GH92	337.669	516.18	234.941
TRINITY_DN32767_c0_g2_i1.p1	GH92	98.604	32.439	19.451
TRINITY_DN35100_c0_g3_i1.p1	GH92	19.428	0	0
TRINITY_DN24526_c0_g1_i1.p1	GH92	2.7	0.05	0
TRINITY_DN35100_c0_g1_i1.p1	GH92	49.054	17.121	39.341
TRINITY_DN35100_c0_g1_i2.p2	GH92	0	0	8.479
TRINITY_DN25566_c0_g1_i1.p1	GH94	2.215	0	0
TRINITY_DN24938_c0_g1_i3.p1	GH95	0	16.063	13.505
TRINITY_DN30910_c0_g1_i2.p1	GH95	63.149	33.507	41.292
TRINITY_DN25182_c0_g1_i1.p1	GH95	0	2.469	21.78
TRINITY_DN29791_c0_g1_i1.p1	GH95	68.579	88.721	83.105
TRINITY_DN34774_c0_g1_i1.p1	GH95	83.014	129.292	72.368
TRINITY_DN34774_c0_g1_i2.p1	GH95	0.146	7.901	12.627
TRINITY_DN34724_c0_g1_i3.p1	GH95	60.303	33.195	20.85
TRINITY_DN25759_c0_g1_i1.p1	GH99	15.503	5.25	12.238
TRINITY_DN35240_c1_g1_i1.p1	PL1	33.299	14.431	9.725
TRINITY_DN31733_c0_g1_i3.p1	PL1	375.942	229.38	460.177
TRINITY_DN35240_c1_g3_i1.p1	PL1	707.53	176.957	587.046
TRINITY_DN27089_c0_g1_i2.p1	PL1	0.243	0.846	43.049
TRINITY_DN35240_c0_g1_i7.p1	PL1	26.315	11.075	46.247
TRINITY_DN35240_c0_g1_i3.p1	PL1	422.422	311.157	459.82
TRINITY_DN22653_c0_g1_i1.p1	PL1	0	0	10.144
TRINITY_DN24299_c0_g1_i1.p1	PL1	71.726	23.41	74.258
TRINITY_DN35240_c0_g1_i2.p1	PL1	24.032	15.076	110.32
TRINITY_DN35240_c0_g2_i3.p1	PL1	610.189	155.916	522.064
TRINITY_DN24682_c0_g1_i1.p1	PL1	51.434	10.954	35.97