

Proteomics reveals altered metabolism pathways in classic and hypervirulent *Klebsiella pneumoniae* isolates

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Raw Table S1. Identified and quantified peptides. The raw table S1 is associated in accompanying legends and captions with definitive Figure 1A.

sample	number
hvKp1	34566
hvKp2	34083
hvKp3	33361
hvKp4	30056
hvKp5	34438
hvKp6	33250
cKp1	32786
cKp2	34541
cKp3	35340
cKp4	34661
cKp5	35444
cKp6	34924

Raw Table S2. Identified and quantified proteins. The raw table S2 is associated in accompanying legends and captions with definitive Figure 1B.

sample	number
hvKp1	3193
hvKp2	3196
hvKp3	3183
hvKp4	3089
hvKp5	3189
hvKp6	3132
cKp1	3132
cKp2	3219
cKp3	3255
cKp4	3235
cKp5	3256
cKp6	3224

Raw Table S3. The rank of quantified proteins in the hvKp group. The raw table S3 is associated in accompanying legends and captions with definitive Figure 1C.

Accession	hvKp	LOG10
A6T679	123990.9297	5.093389916
A6TCJ1	114440.8971	5.058581254
A6T4X2	110028.9831	5.041507099
A6TEX7	109482.7995	5.039345894
A6T7Q9	107598.4193	5.031805891
A6TD53	106336.2292	5.026681256
A6TAE1	98259.40885	4.992374147
A6TGQ7	96647.125	4.985188939
A6TE07	93251.20703	4.969654462
A6T4Y0	89353.22461	4.95111023
A6TGH0	84870.79818	4.928758287
A6TAG7	84518.01302	4.926949278
A6T5N7	83911.41341	4.923821036
A6TDT1	80605.25911	4.906363378
A6T6I3	77081.97461	4.886952831
A6TC53	76243.60677	4.882203433
A6T4F4	75030.93359	4.87524035
A6T8M5	71787.50651	4.856048869
A6T5H9	70152.80078	4.846045014
A6T751	68487.7487	4.83561289
A6TC51	67591.25521	4.829890512
A6TEA6	65465.19857	4.81601049
A6THB4	63648.64974	4.803789195
A6TGN9	63254.67708	4.801092643
A6TEX8	62154.28646	4.793471085
A6THB1	59432.3125	4.774022629
A6TA04	58642.55013	4.768212848
A6T793	56223.39909	4.749917098
A6TGN8	55479.29036	4.744130897
A6T4X4	55298.45508	4.742712998
A6THZ8	55245.50521	4.742296949
A6T4E8	53602.30924	4.7291835
A6T6F7	53518.37467	4.728502916
A6T703	51999.06982	4.715995575
A6TEA5	51800.41081	4.714333204
A6TEN7	51666.97526	4.713213037
A6T8F5	51648.70703	4.713059454
A6TG22	51648.00521	4.713053553
A6TCD7	50788.72493	4.70576731

A6T7F4	50665.611	4.704713284
A6TBR5	48978.86426	4.69000871
A6TEA8	46187.4362	4.664523856
A6TG38	45613.74316	4.659095713
A6TDT0	45138.9388	4.654551345
A6TES2	44962.7194	4.65285257
A6T9L3	44783.89421	4.651121855
A6TCB0	44740.12565	4.650697199
A6TEV8	44641.79818	4.64974168
A6TCM1	44528.0599	4.648633773
A6T5D5	44049.78711	4.643943814
A6TEK0	43843.86328	4.641908815
A6TEA7	43833.29688	4.641804137
A6TE06	43777.22559	4.641248234
A6TEX2	43767.60775	4.64115281
A6T7K6	43255.74674	4.636043814
A6TBS4	43183.79036	4.635320759
A6T7U1	43000.96354	4.633478187
A6T681	42822.86719	4.631675742
A6T8V6	42785.52376	4.631296853
A6T5G0	42267.69987	4.626008615
A6T6Z6	41892.84473	4.622139852
A6TG39	41838.58138	4.62157695
A6TAK9	41395.39453	4.616952026
A6T720	41174.24772	4.614625673
A6THD8	40922.74674	4.611964776
A6TEU8	40826.31478	4.61094018
A6TG36	40309.67122	4.605409256
A6T685	40176.47982	4.603971882
A6TCK4	39822.59277	4.600129533
A6TAK8	39565.8571	4.597320578
A6THH2	39097.65007	4.592150655
A6TC52	39020.14974	4.591288932
A6TH53	38448.65592	4.584881162
A6T4T4	38354.47624	4.583816056
A6TCV3	37965.54232	4.579389608
A6T7H3	37885.40568	4.578471942
A6T792	37270.83561	4.57136913
A6TF14	37221.52311	4.570794141
A6TFB3	37146.84115	4.569921889
A6TH67	36993.62923	4.56812694
A6TEX3	36908.55501	4.567127043
A6T700	36691.76432	4.564568595

A6TCG5	36583.76725	4.563288425
A6TEQ3	36494.71322	4.562229955
A6TG32	35888.23535	4.554952104
A6T4W8	35572.25488	4.551111395
A6TEE8	35409.43359	4.54911898
A6TFQ6	35290.69954	4.547660267
A6TGT4	35254.89583	4.547219436
A6TEV4	35228.57796	4.546895113
A6TAJ0	35084.20703	4.545111665
A6TDT3	34359.63802	4.53604858
A6TBG2	34287.36849	4.535134155
A6T7Q7	34230.77637	4.534416749
A6T7Y1	34092.2347	4.53265547
A6TCE0	33938.57194	4.530693564
A6TGL1	33845.83073	4.529505178
A6TGN4	33254.86719	4.521855218
A6TCA6	33220.05306	4.521400322
A6T531	32318.50911	4.509451318
A6T4X1	32116.26009	4.506724966
A6TEY7	32034.01725	4.505611405
A6T6F5	32004.96761	4.505217392
A6T6F6	31922.13281	4.5040919
A6TFR0	31749.82259	4.501741303
A6T9Y3	31096.39551	4.492710051
A6TEA2	31044.014	4.491977871
A6TAI1	30842.61589	4.489151205
A6THZ9	30615.63753	4.485943308
A6T4I9	30479.23535	4.484004067
A6TG37	29857.90495	4.475059331
A6TGN6	29786.33724	4.474017102
A6T680	29606.95605	4.471393759
A6TDD7	29534.09212	4.470323625
A6TEL1	29193.69108	4.465289008
A6T5S6	29111.90706	4.464070656
A6TCG7	29099.12305	4.463879901
A6TE30	29064.93359	4.463369335
A6TH52	28573.9694	4.455970575
A6T9J1	28559.91667	4.455756936
A6T704	28394.71322	4.453237487
A6TEJ0	28229.77604	4.450707433
A6T7T8	28040.75163	4.447789651
A6TEM2	28011.764	4.447340459
A6TGN5	27735.64551	4.443038278

A6TED7	27709.70671	4.442631929
A6T5R7	27578.264	4.440566925
A6TFM7	27444.18608	4.438450355
A6TFB6	27170.32227	4.43409479
A6T5I3	27014.13118	4.431591005
A6TEG9	26992.11719	4.431236951
A6TA00	26932.15576	4.430271118
A6THE3	26748.3584	4.427297134
A6TBT2	26546.45117	4.424006471
A6T6E9	26253.62891	4.419189342
A6TCV7	26183.93636	4.418034937
A6TAN5	26121.36328	4.416995839
A6TB33	26079.44694	4.416298377
A6T6G6	26002.40137	4.415013458
A6TF08	25954.73926	4.41421667
A6TEY5	25839.46842	4.412283575
A6TGU4	25734.75505	4.410520039
A6TBY3	25708.86556	4.410082913
A6TBE6	25603.30404	4.408296013
A6TEZ6	25474.53125	4.406106201
A6T5Y2	25358.68359	4.404126705
A6T5R1	25238.57259	4.402064789
A6TC43	25225.76042	4.401844267
A6T533	25113.79948	4.399912422
A6THT4	25066.12598	4.399087218
A6TAY1	24993.24674	4.397822677
A6T758	24945.06152	4.396984579
A6TFH1	24865.39811	4.395595417
A6TGB2	24636.09505	4.391571871
A6TEI8	24395.9375	4.387317512
A6TCA1	24392.87663	4.387263019
A6TGP4	24227.02767	4.384300135
A6TC50	24226.50586	4.384290781
A6TEU0	24201.08643	4.383834863
A6T7Z6	24051.98503	4.381150925
A6TAZ5	23845.26595	4.377402171
A6TCA3	23716.28255	4.375046616
A6TDR7	23672.83317	4.374250238
A6THB7	23579.7321	4.372538867
A6TFL4	23381.66895	4.368875507
A6T6Q8	23048.27686	4.362638462
A6TDQ2	22963.94141	4.36104643
A6T9Z1	22951.82015	4.360817132

A6TCL7	22501.21159	4.352205904
A6TFJ4	22456.79281	4.351347732
A6TAJ4	22447.79134	4.351173617
A6TF52	22418.59766	4.350608443
A6TA68	22247.42122	4.347279678
A6T809	22127.75781	4.344937409
A6TFK5	22112.22005	4.344632348
A6T8L2	21778.72103	4.338032372
A6T6G7	21715.632	4.336772473
A6TEX1	21372.48763	4.329855074
A6T6J6	21308.39421	4.328550723
A6TAX4	21284.20898	4.328057515
A6TE93	21195.33219	4.326240228
A6TG65	20832.44076	4.318740155
A6T6I8	20362.57959	4.308832795
A6TBJ6	20340.71257	4.308366163
A6T4E9	20246.75391	4.306355404
A6TGB5	20230.83561	4.306013821
A6TCQ0	20203.17171	4.305419555
A6TAJ2	20171.7404	4.30474337
A6T7F3	20156.89551	4.304423644
A6TEV7	20063.94763	4.302416386
A6T4W5	20016.01579	4.301377635
A6TAP3	19980.16699	4.300599114
A6TGF3	19975.09725	4.300488902
A6TGG1	19938.14958	4.29968485
A6TG55	19884.6333	4.298517586
A6TEW0	19846.5765	4.297685602
A6TB22	19808.07275	4.296842222
A6TFP8	19591.37036	4.292064815
A6T5H7	19421.6123	4.28828528
A6T7L1	19308.18408	4.285741431
A6TDS5	19257.89518	4.284608819
A6T5A7	19229.67985	4.283972054
A6TAH4	19189.54395	4.283064654
A6TAK6	19098.67464	4.28100323
A6T6Y5	18938.54704	4.277346657
A6TEX9	18871.7487	4.275812145
A6TG63	18860.08008	4.275543532
A6T4R3	18810.17057	4.274392734
A6T7R7	18766.69385	4.273387769
A6TI15	18654.07227	4.270773655
A6TCF0	18572.92008	4.26888019

A6TGB9	18541.13379	4.268136288
A6TG35	18480.56836	4.266715324
A6T5N4	18477.70467	4.266648022
A6TDD0	18459.38786	4.266217295
A6TAK4	18305.79329	4.262588554
A6TF02	18212.86507	4.26037827
A6TC63	18108.33154	4.257878437
A6TEA9	18031.57243	4.256033601
A6TGE3	17776.87646	4.249855454
A6TBY5	17701.29492	4.248005038
A6TEW4	17698.43197	4.247934791
A6T4Q9	17667.61589	4.247177949
A6TCT6	17557.45736	4.244461622
A6TC33	17540.82633	4.244050049
A6T8L9	17471.38334	4.242327293
A6T8V0	17367.17725	4.239729237
A6TEW6	17301.80664	4.238091454
A6TAP8	17279.37256	4.237527969
A6TFK4	17245.13786	4.23666667
A6TA10	17199.67008	4.235520117
A6TCC2	17192.80485	4.235346734
A6T4P6	17113.55339	4.233340194
A6T726	17077.47738	4.232423719
A6TEV5	16914.23201	4.228252284
A6THE9	16905.43245	4.228026285
A6TDZ4	16893.44694	4.227718272
A6TB20	16866.85742	4.227034174
A6TG00	16848.40706	4.226558847
A6T6Q6	16703.80404	4.222815386
A6TEI4	16688.10791	4.222407099
A6T8M6	16635.00684	4.221022984
A6TG73	16633.64518	4.220987433
A6T9Z9	16593.14046	4.21992859
A6THC5	16589.14469	4.219823995
A6TGV4	16578.63916	4.219548879
A6TE25	16446.30973	4.216068465
A6T9U9	16352.12858	4.213574293
A6T4F8	16253.19344	4.210938704
A6TB24	16214.31657	4.209898648
A6TBB2	16004.4585	4.204240985
A6T6D3	15958.40381	4.20298945
A6TBE0	15884.24674	4.200966625
A6TG40	15838.13525	4.199704047

A6T701	15803.05322	4.198741003
A6THZ6	15790.51872	4.198396397
A6TF26	15787.27539	4.198307185
A6T9B8	15768.47803	4.197789777
A6T7U0	15651.13053	4.194545714
A6T4W3	15622.26074	4.193743882
A6T6J2	15493.95955	4.190162418
A6T4W7	15446.74788	4.188837058
A6T6C9	15444.08447	4.188762168
A6TEV6	15427.88493	4.188306391
A6T5F2	15333.77165	4.185648991
A6TH93	15289.35726	4.184389229
A6TER9	15260.80648	4.183577485
A6TB90	15245.66618	4.183146406
A6T5J7	15198.88843	4.181811827
A6TE18	15120.70736	4.179572108
A6T6R4	15029.34847	4.176940154
A6T5N6	15019.02181	4.176641648
A6TFA1	15011.77197	4.176431959
A6T702	14979.29972	4.175491511
A6TH65	14966.19385	4.175111366
A6TGB8	14923.55273	4.173872225
A6T8N5	14827.73999	4.171074962
A6TEH2	14732.68424	4.168281881
A6T9R8	14721.96232	4.167965702
A6TCK0	14662.94336	4.166221157
A6T7G2	14639.24528	4.165518687
A6TEN6	14609.73039	4.164642201
A6TDV1	14473.42025	4.160571172
A6TB70	14468.16195	4.160413361
A6T6B0	14454.59058	4.160005795
A6TDT4	14434.88411	4.159413302
A6T6Z0	14349.10563	4.156824833
A6TAI3	14339.28418	4.156527472
A6TFG8	14335.41341	4.156410222
A6TF91	14315.54492	4.155807884
A6T6F2	14272.75114	4.154507693
A6TEW1	14249.15861	4.153789221
A6T5E9	14175.55526	4.151540079
A6TEW8	14148.71663	4.150717049
A6TAX5	14129.87354	4.150138275
A6TEN9	14127.21257	4.15005648
A6THZ1	14094.85612	4.149060647

A6T4Y7	14089.92147	4.148908573
A6T5R2	14081.87956	4.148660625
A6TDV6	13957.83708	4.144818125
A6TAU0	13913.73901	4.143443853
A6T4Z9	13888.86263	4.142666682
A6T4S9	13839.68424	4.141126182
A6T733	13824.23877	4.140641226
A6TEW7	13771.9598	4.138995746
A6T6Q5	13764.44076	4.138758571
A6TAE0	13732.22038	4.137740764
A6TAZ8	13712.8807	4.137128698
A6TD63	13576.49658	4.132787715
A6TFM8	13559.51782	4.132244246
A6TF37	13516.72005	4.130871319
A6TEU7	13502.86589	4.130425954
A6TEM7	13457.39502	4.128961001
A6T5Q0	13355.9764	4.125675643
A6TB46	13174.29093	4.11972725
A6T7E9	13130.39882	4.118277918
A6TFS2	13084.04785	4.116742124
A6T6C1	13012.47518	4.114359914
A6TA02	12853.09147	4.109007598
A6TB03	12814.07682	4.107687323
A6T518	12780.59326	4.106551014
A6TCE4	12650.23617	4.102098633
A6TAI6	12645.33105	4.101930204
A6TBT9	12613.58024	4.100838374
A6T7F2	12587.79997	4.099949833
A6T9S3	12548.10368	4.098578098
A6TBY1	12542.4624	4.098382808
A6TDD4	12533.46419	4.098071125
A6T8G0	12450.70182	4.095193832
A6TFL2	12447.80518	4.095092782
A6T7E8	12414.6897	4.093935869
A6T5I2	12328.86393	4.09092306
A6TEM3	12303.14648	4.090016195
A6TBZ5	12283.03394	4.089305652
A6TD34	12265.79891	4.08869584
A6T7B9	12253.59147	4.088263397
A6TF28	12121.55811	4.083558448
A6T6Y6	12108.09294	4.083075746
A6TE29	12070.84294	4.081737599
A6TFK7	11998.90633	4.079141663

A6TD30	11938.36743	4.076944941
A6T4N8	11804.38672	4.072043429
A6TG75	11778.81226	4.0711015
A6TE98	11771.80184	4.070842943
A6TE26	11749.87712	4.070033325
A6T7Q5	11728.56323	4.069244814
A6TAY8	11726.36686	4.069163477
A6T532	11717.93408	4.068851051
A6T4Q7	11695.31812	4.068012039
A6T5B2	11683.24609	4.067563525
A6THI0	11682.18359	4.067524027
A6T7L3	11612.96712	4.064943197
A6T6C8	11604.65804	4.064632347
A6THB3	11556.82869	4.062838676
A6T5E8	11545.07829	4.062396882
A6THZ7	11528.6805	4.061779604
A6T6F8	11494.26074	4.060481045
A6T7R8	11494.16992	4.060477613
A6TAP1	11402.79818	4.057011438
A6TBT4	11368.22803	4.055692776
A6T694	11357.05355	4.055265673
A6TH49	11352.97681	4.055109751
A6TBX9	11322.76131	4.053952352
A6T9S2	11318.95744	4.053806427
A6T7Q6	11306.88647	4.053343032
A6TGL0	11248.1167	4.051079814
A6T9Y5	11170.8846	4.048087565
A6T6W1	11146.56356	4.047140997
A6T6Y8	11093.65568	4.045074682
A6TEK5	10978.94417	4.040560577
A6T7G4	10939.15849	4.038983914
A6TB02	10878.87158	4.03658385
A6TGW7	10854.42285	4.035606736
A6T6F3	10768.31486	4.032147746
A6TDU9	10640.39827	4.026957884
A6T7Z3	10600.82267	4.02533957
A6TBY4	10579.48527	4.024464538
A6T4H8	10486.2863	4.020621711
A6TH72	10453.50928	4.019262109
A6T7G7	10451.47632	4.019177641
A6TBL6	10421.41113	4.017926529
A6T769	10403.08675	4.01716222
A6TEL9	10392.50741	4.016720343

A6TEH5	10277.57194	4.011890525
A6TCT3	10194.61165	4.008370687
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A6TC94	9637.305664	3.983955634
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A6TI06	3861.354085	3.586739628
A6THE4	3854.086141	3.585921417
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A6TFK6	3835.584554	3.583831561
A6THH9	3835.534119	3.58382585
A6T9Y4	3835.051656	3.583771218
A6TGH7	3820.50297	3.582120542
A6TDG9	3806.764537	3.580556015
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A6TH89	3788.102498	3.578421722
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A6TC93	3765.935506	3.575872878
A6TFY4	3765.736776	3.57584996
A6T4I0	3763.573853	3.575600443
A6T5H8	3757.018555	3.57484334
A6TBT8	3731.18339	3.571846595
A6TA31	3730.234985	3.571736191
A6T6K4	3714.740356	3.569928464
A6TEA1	3714.619751	3.569914364
A6TBS0	3711.532227	3.569553236
A6T746	3711.519043	3.569551693
A6TDC1	3701.626139	3.568392553
A6TAI7	3687.255371	3.566703217
A6T9Q5	3680.162191	3.565866959
A6TCF4	3679.146159	3.565747041
A6TG24	3676.160726	3.565394491
A6TEI7	3674.588135	3.565208668

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A6TGH5	3617.125203	3.558363542
A6TBC4	3616.186483	3.558250818
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A6TF74	3583.575765	3.554316591
A6TI30	3581.890727	3.554112333
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A6T5R3	3577.28477	3.553553514
A6TC86	3560.113403	3.551463832
A6TGC7	3554.898661	3.550827225
A6TH80	3551.194438	3.550374452
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A6TBK7	3540.282308	3.549037895
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A6TBD5	3524.535189	3.547101851
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A6TCX3	3510.316243	3.545346244
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A6TF51	3499.49174	3.544004973
A6TEJ5	3493.090983	3.543209898
A6T9R7	3490.585347	3.542898261
A6T7G0	3485.817973	3.542304705
A6T741	3470.521729	3.540394768
A6TB83	3464.326782	3.539618851
A6T6V8	3463.079386	3.539462447
A6TBH8	3456.677368	3.538658846
A6TFB9	3438.804932	3.536407541
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A6THI5	3417.837931	3.533751465
A6T9V5	3396.168152	3.530989185
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A6TF57	3376.465169	3.528462274
A6T591	3375.371257	3.528321548
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A6TDW7	3353.655477	3.525518445
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A6TET6	3336.533691	3.523295515
A6T6B2	3332.313558	3.52274586
A6T8N3	3331.904846	3.52269259
A6TEZ4	3327.634908	3.522135672
A6THJ2	3322.454468	3.521459038
A6T9B3	3289.647542	3.517149369
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A6T9Y6	3259.022502	3.513087359
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A6TE24	3242.113932	3.510828272
A6TG18	3234.460551	3.509801859
A6TBX0	3221.68752	3.508083415
A6T9Z6	3220.835693	3.50796857
A6TEF1	3217.390035	3.507503712
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A6TG28	3190.829671	3.503903622
A6T9W8	3189.70461	3.503750466
A6T4T0	3169.589966	3.501003083
A6TC48	3167.319784	3.500691913
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A6TED6	3106.850627	3.492320373
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A6TD47	3073.071777	3.487572704
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A6TBX3	3060.650838	3.485813788
A6TGV6	3056.413411	3.485212097

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A6TEJ6	3045.470846	3.483654446
A6THF7	3040.815776	3.48299011
A6TDD2	3034.386546	3.482070904
A6T8M7	3031.880575	3.48171209
A6TGV2	3031.20992	3.481616014
A6T9S8	3030.974202	3.48158224
A6TEH9	3024.188029	3.48060879
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A6TB07	2845.234599	3.454118081
A6T5B7	2842.997925	3.453776543
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A6TB11	2828.010498	3.451481017
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A6T7C5	2820.193441	3.450278898
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A6TBX2	2632.120026	3.420305689
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A6T4X5	1959.244303	3.292088593
A6TB55	1947.316488	3.289436541
A6TCE5	1945.161296	3.288955619
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A6TFT1	1944.780538	3.2888706
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A6TC23	1937.193319	3.287172963
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A6T6I5	1918.309937	3.282918776
A6TAP5	1917.653137	3.282770055
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A6TCJ4	1905.94516	3.2801104
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A6TE43	1898.632731	3.278440964
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A6TF84	765.7797419	2.884103873
A6TEP3	765.0881449	2.883711473
A6T5C7	763.6922607	2.882918389
A6TF01	762.093099	2.882008029

A6TGM0	761.7896016	2.88183504
A6TBU6	761.4101435	2.881618658
A6TD18	760.3741252	2.88102733
A6TE48	759.0999756	2.880298977
A6TIC6	758.5918986	2.8800082
A6TEY2	758.259318	2.879817756
A6T4S1	757.7649587	2.879534518
A6T7Z0	757.7343775	2.879516991
A6TA56	755.7461254	2.878375929
A6TEJ8	755.5744731	2.878277277
A6TCB6	754.8103129	2.877837825
A6TFB8	754.0126343	2.877378623
A6THZ5	753.1636251	2.876889337
A6TG21	752.1403097	2.876298865
A6TET5	749.5456645	2.874798096
A6TBG4	749.0590668	2.874516065
A6T9F6	747.079539	2.873366842
A6TD42	746.8356781	2.873225057
A6T770	746.4545135	2.873003348
A6TH88	745.8617655	2.872658345
A6TBZ0	744.8611806	2.872075341
A6T505	741.0326233	2.869837328
A6TGH9	740.8806356	2.869748244
A6T811	737.60672	2.867824865
A6TEK2	735.9638062	2.866856457
A6TE15	735.0071869	2.866291586
A6T592	733.6811651	2.86550737
A6TBG0	733.6443736	2.865485591
A6T9Z8	733.0163829	2.865113681
A6TBV1	732.481781	2.864796827
A6THF8	732.2141012	2.864638088
A6TEQ5	731.1995417	2.864035911
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A6TCJ3	728.7417755	2.862573666
A6TAY2	726.3417155	2.861140987
A6T5N5	725.5166117	2.860647361
A6T5M2	725.3151398	2.860526743
A6TG80	724.1495158	2.859828245
A6TC28	724.0544179	2.859771208
A6T4W2	723.2577616	2.859293103
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A6T6R6	714.8752492	2.854230261

A6TC04	712.8920542	2.853023774
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A6TC57	694.8457692	2.841888418
A6TFN2	694.2596181	2.841521905
A6T8R8	693.9169922	2.841307522
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A6TC90	679.8447367	2.83240974
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A6TC46	673.6604869	2.828441075
A6T5J9	673.3095957	2.828214804
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A6TDB7	671.8189952	2.827252279
A6TDP6	671.3891195	2.826974299
A6T6U7	671.0774638	2.826772655
A6T8D7	670.697759	2.826526855
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A6T8U4	670.5592855	2.826437181
A6TF35	668.3452352	2.825000856
A6TI16	667.9189657	2.824723775
A6T4L6	667.8445435	2.824675382
A6TG79	667.4905396	2.824445115
A6TD24	666.5402934	2.823826408
A6T6Y4	666.0431569	2.823502371
A6T4L7	665.7416229	2.82330571
A6T6C2	663.5926921	2.821901595
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A6TGY3	659.501475	2.819215771
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A6TD44	647.3233134	2.811121248
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A6TCB1	641.0282898	2.806877196
A6TBL7	638.8329976	2.805387341
A6TG69	638.5747248	2.805211725
A6T7R6	637.6779022	2.804601367
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A6TF68	627.2684682	2.797453457
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A6TDJ3	626.1694082	2.796691846
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A6T8P0	619.7666423	2.792228197
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A6TC27	611.9989573	2.786750682
A6TA92	611.3829269	2.786313307
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A6T721	609.2717463	2.784811039
A6TD77	608.9390717	2.784573841
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A6T7M6	607.8694407	2.783810311
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A6TBZ1	599.9175873	2.778091594
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A6T4J7	592.9999034	2.773054623
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A6T8I3	588.35525	2.769639633
A6TC83	587.8193665	2.76924389
A6T4S8	587.012586	2.768647413
A6THV0	584.9963277	2.76715314
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A6THH5	583.9202983	2.766353572
A6TC42	582.7125626	2.765454381
A6T9I5	580.8264669	2.764046398
A6TCQ9	579.1783803	2.762812342
A6TBV5	578.8985901	2.762602492
A6TFZ1	578.0976563	2.762001209
A6T5B3	577.9232432	2.761870161
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A6TGK9	576.6790771	2.760934195
A6TES1	576.6723633	2.760929139
A6THG3	576.6434428	2.760907358
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A6TAX6	573.8588562	2.758805088
A6TCK2	573.4323018	2.758482153
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A6TCG9	556.6445516	2.745577963
A6TBP0	556.0408427	2.745106693
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A6T4T5	545.0888723	2.736467316
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A6TGC8	541.9110667	2.73392802
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A6T4J1	388.2381388	2.589098196
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A6TFU2	376.8456523	2.576163509
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A6TGI7	361.1599375	2.557699569
A6TEJ4	360.9469401	2.557443364
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A6TA90	187.6397171	2.27332477

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A6TB93	182.5888723	2.261474306
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A6TB77	178.7058004	2.252138649
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A6T5L0	2.982643227	0.474601308
A6TIW8	2.800036738	0.44716373

Raw Table S4. The rank of quantified proteins in the cKp group. The raw table S4 is associated in accompanying legends and captions with definitive Figure 1D.

Accession	cKp	log10
A6T679	121358.1732	5.08406903
A6T4Y0	106435.6927	5.027087291
A6TE07	105825.4089	5.024589955
A6TGQ7	105600.5599	5.023666221
A6T7Q9	98697.41797	4.994305791
A6T7F4	94545.88867	4.975642648
A6T6B0	91867.05729	4.963159805
A6TDT1	91147.91536	4.95974674
A6TCJ1	90960.22526	4.958851527
A6TGV4	88398.62305	4.9464455
A6TGU4	86747.79427	4.938258441
A6TEX7	85640.86458	4.932681043
A6T4X2	78426.5293	4.894462996
A6TGH0	77726.52734	4.890569265
A6T4X4	72929.05469	4.862900584
A6TC53	72471.35482	4.86016638
A6T7U1	72315.52865	4.859231565
A6TBN5	70512.30534	4.848264914
A6TD53	70501.45313	4.848198068
A6TAE1	69192.69531	4.840060248
A6TG32	64876.66602	4.812088524
A6TEA6	63600.63997	4.803461486
A6TGN8	63329.69141	4.801607372
A6TEA5	63167.19531	4.800491594
A6T7L3	62573.77018	4.796392323
A6T6I3	62462.23112	4.795617493
A6THB4	61785.23307	4.790884689
A6TA04	61267.66276	4.787231313
A6T9J1	61056.07096	4.785728853
A6T5N7	60934.52734	4.784863447
A6TAK4	60884.9069	4.784509646
A6T8F5	60667.61784	4.782956942
A6TAG7	59640.04232	4.775537943
A6THZ1	58605.13607	4.767935679
A6TEQ3	57654.03841	4.760829733
A6T685	57296.57975	4.758128698
A6TEL1	56971.77995	4.755659788
A6TGN9	56413.17773	4.751380564
A6THH2	55636.23079	4.7453577

A6T9L3	55434.05534	4.743776651
A6T4F4	53835.45833	4.731068415
A6TC51	53353.83073	4.727165607
A6THB1	52760.41146	4.722308174
A6TAK8	52280.09831	4.718336396
A6T8M5	51703.17057	4.713517176
A6TDT0	51513.38607	4.711920098
A6TG55	51009.90625	4.707654525
A6THT4	50012.54362	4.699078943
A6TG38	49765.125	4.696925099
A6TEU8	49455.11784	4.694211241
A6T6Q5	48827.08105	4.688660762
A6THZ8	48429.05599	4.685106004
A6TCE0	47974.37435	4.68100932
A6TEV8	46281.14388	4.665404084
A6T5S6	45259.96712	4.655714234
A6T5H9	44705.92318	4.650365067
A6TGB2	44689.95508	4.650209918
A6TEK0	44651.07357	4.649831905
A6TES2	44380.24121	4.647189658
A6T4X1	43996.59245	4.643419042
A6TFM7	43877.33301	4.642240222
A6TAI1	43811.82031	4.641591298
A6TG39	43774.52539	4.641221446
A6TBS4	43582.76432	4.639314773
A6T4E8	43224.19727	4.635726937
A6T793	43077.51693	4.634250662
A6TEA7	42914.6722	4.6326058
A6TEX8	42820.6224	4.631652975
A6TEX3	42402.93783	4.627395947
A6TH53	42035.16732	4.62361278
A6T751	41995.60091	4.6232038
A6TGP4	41989.71257	4.623142902
A6TF34	41866.97428	4.621871576
A6TBJ6	41235.57227	4.615272026
A6TG22	40746.60872	4.610091469
A6TCD7	40556.37858	4.608059168
A6TCT6	40176.03288	4.603967051
A6THD8	40143.37044	4.603613833
A6TAZ5	40117.63672	4.603335341
A6TG36	40001.70313	4.602078482
A6TGN6	39011.75033	4.591195436
A6TEA8	38952.54036	4.590535786

A6TFF2	38878.88021	4.589713748
A6T792	38332.00781	4.583561568
A6T6F7	38178.6862	4.581820979
A6T720	37802.08691	4.577515776
A6T7K6	37453.65072	4.573494156
A6T5D5	37382.38151	4.572666965
A6TCA6	37332.34798	4.572085305
A6TCV7	36663.94173	4.564239154
A6TA00	36265.82454	4.559497556
A6TH67	36029.83333	4.556662253
A6TEV4	35694.48633	4.552601136
A6THD9	35646.36198	4.552015213
A6T704	34878.80176	4.542561557
A6TG37	34752.89193	4.54099095
A6TH52	34711.11979	4.540468624
A6TCK4	34450.58431	4.537196592
A6T5G0	34059.89909	4.532243357
A6TC52	33742.56413	4.528178082
A6TE30	33740.11003	4.528146494
A6TEY5	33703.74609	4.527678174
A6T9Y3	33605.02441	4.526404215
A6TED7	33603.88704	4.526389516
A6TFB3	33575.58822	4.52602363
A6T6Q6	33353.62826	4.523143084
A6T6Z6	33302.74577	4.522480042
A6T5K8	32999.62496	4.518509004
A6TBZ6	32942.63835	4.517758378
A6TEX2	32857.97103	4.516640742
A6TD08	32261.08561	4.508678978
A6TAJ0	32163.09049	4.507357773
A6T5I3	31756.28906	4.501829746
A6TFQ6	31725.23438	4.501404839
A6TGN4	31656.05436	4.500456783
A6THE9	31607.03711	4.499783786
A6T4Q9	31518.99707	4.49857239
A6TCB0	31114.74642	4.492966266
A6TBR5	31002.28223	4.491393666
A6TEH2	30825.25846	4.488906727
A6TG65	30808.66862	4.488672931
A6TAY1	30681.30729	4.48687386
A6TEZ6	30507.91211	4.484412487
A6T7L2	30501.88184	4.484326634
A6T4W7	30430.16048	4.483304243

A6TGT4	30409.15853	4.483004403
A6T6E9	30205.83952	4.480090911
A6TDD7	30048.44271	4.477821969
A6T8V6	29917.8903	4.475930965
A6T9Z1	29428.51758	4.468768386
A6T4W8	29038.30892	4.462971321
A6TEA2	28942.02995	4.461528989
A6TCM1	28888.54264	4.460725633
A6T5F2	28873.83138	4.460504416
A6TAK9	28870.95898	4.46046121
A6TGN5	28498.43392	4.454820995
A6TFP8	28485.83333	4.454628929
A6T681	27974.38184	4.446760498
A6TDQ2	27660.80371	4.441864795
A6T7Q7	27625.61621	4.441311974
A6TEI4	27232.79557	4.435092226
A6TBZ5	27192.13021	4.434443231
A6TGZ9	27111.08073	4.43314683
A6TF02	26778.29297	4.427782889
A6TEX9	26591.53874	4.424743469
A6TB33	26567.73454	4.424354523
A6TCA3	26547.91667	4.424030446
A6T758	26369.90527	4.42110857
A6T5N4	26232.58236	4.418841045
A6TGF3	26202.00456	4.418334518
A6TEY7	26139.62858	4.417299412
A6TG63	26057.88932	4.415939235
A6TCL7	25989.35059	4.414795428
A6T5J7	25869.96794	4.41279589
A6TFK5	25708.71387	4.410080351
A6T8K3	25695.36719	4.409854828
A6TF14	25589.01074	4.408053497
A6T7Y1	25546.7264	4.407335257
A6TC33	25542.65137	4.407265976
A6TEW7	25490.1276	4.40637201
A6T6F5	25460.98079	4.405875129
A6T4T4	25318.98926	4.403446365
A6T6W1	24950.34066	4.39707648
A6T4I9	24817.10775	4.394751166
A6TB70	24623.51953	4.391350128
A6TAP3	24568.8571	4.390384954
A6TAJ4	24405.97526	4.387496167
A6T531	24356.78613	4.386619983

A6THZ6	24330.31706	4.386147768
A6TDT3	24305.23828	4.385699883
A6TBL4	24072.56396	4.381522349
A6TEE8	24048.11165	4.38108098
A6TBT2	23973.76921	4.37973632
A6TEN7	23909.23828	4.37856574
A6T6J6	23786.65527	4.376333379
A6TEG9	23544.66081	4.371892438
A6TC87	23491.93652	4.370918819
A6T6F2	23477.18018	4.370645933
A6T4F8	23441.06624	4.369977362
A6TEV7	23404.24984	4.369294725
A6TEW6	23373.10156	4.368716346
A6T6C9	23338.93001	4.368080942
A6TF08	23276.10449	4.366910298
A6TD90	23224.2653	4.365941984
A6TFM8	23197.0446	4.365432657
A6T8M6	23177.35547	4.365063882
A6T6G6	23172.18587	4.364967003
A6TEM2	23168.67725	4.36490124
A6TCA1	23008.88053	4.361895489
A6TE18	22924.67611	4.360303208
A6T7Y4	22840.92676	4.358713721
A6TC50	22837.1084	4.358641113
A6TEW0	22600.23145	4.354112887
A6T809	22464.12956	4.351489595
A6TDT4	22318.25863	4.348660306
A6TEU0	22192.08626	4.346198132
A6TEW4	22129.27507	4.344967187
A6TF66	21991.17432	4.342248421
A6TGL1	21926.31299	4.340965609
A6T700	21834.45475	4.339142351
A6T9J3	21790.26253	4.338262463
A6TCG7	21774.60189	4.337950223
A6TAV8	21696.39616	4.336387602
A6TFR0	21613.10775	4.334717219
A6THZ9	21605.61589	4.334566651
A6T4W3	21449.04167	4.331407893
A6T5R1	21267.81771	4.327722929
A6TFL4	21129.71224	4.324893583
A6TE06	21071.10417	4.323687294
A6THC5	21003.08838	4.32228316
A6T703	21001.16699	4.322243428

A6TAJ2	20967.05013	4.321537334
A6TE29	20859.02669	4.31929404
A6T680	20828.66846	4.318661507
A6TAH4	20825.77327	4.318601136
A6TA95	20810.45687	4.318281615
A6TI15	20794.77181	4.317954159
A6T5H7	20791.82406	4.317892591
A6TC43	20740.24023	4.316813783
A6TCG5	20739.57552	4.316799863
A6TDZ4	20673.64714	4.315417099
A6THE3	20670.65527	4.315354244
A6TH49	20653.83984	4.315000805
A6T7L1	20612.35042	4.314127517
A6T6F6	20361.57275	4.30881132
A6TB20	20321.9362	4.307965084
A6T5R7	20292.41748	4.307333789
A6T4E9	20226.50293	4.305920802
A6T6Y5	20162.80273	4.304550901
A6T5Y2	20088.86068	4.302955307
A6TEV6	19941.45231	4.299756784
A6TFB6	19882.9196	4.298480156
A6T9K2	19823.14876	4.29717264
A6TEJ0	19678.75521	4.293997623
A6TEV5	19554.47428	4.291246145
A6TEN9	19407.33773	4.287965964
A6T7R7	19400.36833	4.287809975
A6T4R3	19385.97803	4.287487716
A6TBB2	19362.44271	4.286960146
A6TAN5	19346.17725	4.286595162
A6T533	19221.94694	4.283797374
A6T6S8	19207.74642	4.283476414
A6TDS5	19142.62402	4.28200147
A6T9S3	19133.75391	4.281800184
A6TEI8	19042.30892	4.279719606
A6TG35	18866.60563	4.275693771
A6T9Z5	18824.86898	4.274731962
A6TBE6	18715.04932	4.272190976
A6TBY5	18701.81478	4.271883751
A6TC63	18682.20443	4.27142812
A6T9U9	18562.94434	4.268646862
A6TEU7	18473.61377	4.26655186
A6T791	18461.8335	4.26627483
A6T5L1	18455.95431	4.266136506

A6TB22	18440.48893	4.265772432
A6T8L2	18430.91911	4.265546993
A6T5A9	18337.68571	4.263344525
A6TH65	18268.42969	4.261701218
A6T7T8	18216.34912	4.260461341
A6TE25	18190.74268	4.25985043
A6T7Z6	18046.2679	4.2563874
A6TEB5	17957.28451	4.254240663
A6T6F3	17747.47575	4.249136591
A6TEX1	17693.19076	4.24780616
A6TF52	17660.70801	4.24700811
A6TAP8	17385.90918	4.240197407
A6TEW1	17111.79281	4.233295513
A6T5B4	17037.14144	4.231396729
A6T5M5	16783.94222	4.224893976
A6TAX4	16408.03841	4.215056664
A6TE98	16396.25195	4.214744583
A6T769	16377.94458	4.214259397
A6TGU7	16314.18831	4.212565471
A6T7R8	16276.57764	4.211563094
A6THZ7	16210.54541	4.209797627
A6TC88	16170.89258	4.208733992
A6TGB9	16152.59521	4.20824231
A6TGB5	16146.73633	4.208084753
A6TAK6	16088.82568	4.206524346
A6T5A7	16002.06722	4.20417609
A6TBY3	15950.49772	4.202774239
A6TCV3	15802.02458	4.198712733
A6TGE3	15673.49788	4.19516593
A6T7U0	15660.58626	4.194808016
A6T5V0	15649.01709	4.194487065
A6THB3	15607.53223	4.19333424
A6T5T8	15487.91357	4.189992917
A6T8N5	15486.78597	4.189961296
A6TA02	15457.26025	4.189132519
A6TA10	15439.09733	4.188621905
A6TCC2	15412.29932	4.187867435
A6TF26	15390.26986	4.187246235
A6TDS7	15348.22786	4.186058238
A6TG40	15322.38346	4.185326327
A6TFH1	15211.23722	4.182164539
A6T6Y8	15134.80615	4.179976863
A6T5E9	15114.83252	4.179403339

A6T6R4	15096.85921	4.178886605
A6T6G7	14983.9305	4.17562575
A6T4Z9	14953.87451	4.174753732
A6T4W5	14934.97591	4.174204526
A6T8G0	14929.69255	4.174050864
A6T7U8	14892.02384	4.172953723
A6T6L0	14730.37484	4.168213798
A6TAX5	14638.68311	4.165502009
A6TB90	14615.72363	4.164820322
A6T5Q0	14568.42578	4.163412626
A6T4Q7	14567.46045	4.163383848
A6TDU9	14535.53206	4.162430933
A6TCT3	14274.98421	4.154575637
A6T6C8	14178.59684	4.151633254
A6T6D3	14103.45947	4.149325655
A6TGG1	14077.27604	4.148518627
A6T5E8	13962.37988	4.14495945
A6TEW8	13919.17985	4.143613646
A6TEA9	13917.93262	4.14357473
A6THB7	13917.72559	4.143568269
A6T726	13850.36051	4.141461078
A6TB46	13827.43717	4.140741694
A6T9K6	13782.42318	4.13932558
A6T702	13760.83927	4.138644922
A6TAP1	13690.00586	4.136403634
A6T7F2	13663.2526	4.135554098
A6T9B8	13635.59749	4.134674173
A6T9S2	13627.85514	4.134427509
A6TE26	13605.12305	4.133702474
A6TAE0	13571.34635	4.132622934
A6TF37	13504.00684	4.130462649
A6T6I8	13460.69873	4.129067604
A6TCK0	13414.3151	4.127568504
A6TCQ0	13357.18066	4.1257148
A6TB24	13339.75765	4.12514794
A6TF91	13316.43213	4.12438788
A6TDD0	13281.51628	4.123247659
A6TFK4	13218.09416	4.121168841
A6T6W3	13145.17122	4.118766247
A6THD2	13086.98519	4.116839611
A6T6Y6	13081.55208	4.116659275
A6TD63	12940.05941	4.11193627
A6TD34	12843.54736	4.108684992

A6TEM3	12665.52702	4.102623266
A6T748	12593.90991	4.100160582
A6TB98	12578.5332	4.09963
A6T682	12572.04639	4.099405975
A6TDX0	12484.66357	4.096376844
A6T8V0	12417.2264	4.0940246
A6TEK5	12367.69352	4.092288715
A6T5I2	12353.11556	4.091776504
A6TCF0	12316.08838	4.090472797
A6T8L9	12278.02205	4.089128409
A6TDM7	12218.31242	4.087011226
A6TFA1	12210.56315	4.086735694
A6T7T2	12120.69971	4.083527692
A6T5S9	12023.25252	4.080021969
A6T4P6	11939.85221	4.076998951
A6T6C1	11838.41325	4.073293496
A6TH72	11831.31706	4.073033093
A6TDD4	11826.32479	4.072849802
A6T8W7	11732.88422	4.069404785
A6TG73	11686.5682	4.067686998
A6T7J1	11640.22176	4.065961254
A6T538	11634.87923	4.06576188
A6TDV1	11609.59245	4.064816974
A6TEL9	11558.90365	4.062916644
A6TES6	11486.51367	4.060188234
A6TBY1	11481.83903	4.060011454
A6TCE4	11464.38493	4.05935076
A6T6J2	11462.6263	4.059284134
A6TIL5	11301.30306	4.053128521
A6TEW9	11288.64307	4.052641741
A6TF28	11276.52702	4.052175365
A6T7Q8	11256.88118	4.051418082
A6T9Z9	11241.41512	4.050820986
A6TB02	11238.98356	4.050727036
A6T7B9	11130.03988	4.04649672
A6T6V0	10963.42367	4.039946197
A6TEM7	10883.7321	4.036777843
A6TFS2	10871.46086	4.036287906
A6T747	10867.17065	4.036116487
A6TG46	10864.63631	4.036015193
A6TGV9	10816.3737	4.034081683
A6T7E9	10815.60209	4.034050701
A6TG00	10813.87093	4.033981182

A6T7G4	10790.99601	4.033061532
A6TFG8	10751.44255	4.031466738
A6TEG6	10732.61979	4.030705745
A6T701	10730.4209	4.030616757
A6T5V4	10720.01872	4.030195544
A6T7F3	10709.40243	4.029765238
A6TBG2	10689.48625	4.028956833
A6TBC1	10683.20443	4.028701539
A6THJ4	10636.74487	4.026808743
A6TGC6	10600.70483	4.025334742
A6TG75	10562.78345	4.023778376
A6T6A4	10559.41545	4.023639877
A6T7Q5	10543.45313	4.022982872
A6T7L4	10455.33545	4.019337971
A6T694	10397.09456	4.016911994
A6TH22	10339.66317	4.014506391
A6THE7	10317.0682	4.013556301
A6TGL0	10314.9987	4.013469177
A6TGW5	10285.566	4.012228195
A6T4H8	10266.12923	4.011406727
A6T5N6	10245.19206	4.010520104
A6TDR7	10242.17318	4.010392115
A6T7G2	10237.16382	4.010179653
A6TB03	10195.29427	4.008399766
A6T5R2	10166.39941	4.007167168
A6TC35	10070.02148	4.003030397
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A6TGB8	10044.27425	4.001918562
A6T532	9993.534424	3.999719113
A6TBX9	9991.483968	3.999629996
A6T4Y7	9990.863281	3.999603016
A6T9J2	9814.132243	3.991851906
A6T5N2	9754.149495	3.989189407
A6T4N8	9732.82666	3.988238989
A6T733	9705.271159	3.987007674
A6T7Z3	9676.384847	3.985713133
A6TB71	9629.621257	3.983609206
A6TDV6	9588.254557	3.981739556
A6T6Z0	9580.835042	3.981403363
A6TGP1	9538.546224	3.979482189
A6TER9	9530.894043	3.979133641
A6TAI6	9525.188395	3.978873574

A6T6F8	9470.758382	3.976384757
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A6TAH5	9303.225342	3.968633541
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A6TBU1	9120.962728	3.960040681
A6T9R8	9092.223145	3.958670086
A6T947	9090.644409	3.95859467
A6T7R9	9081.74821	3.958169457
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A6TF10	8977.184408	3.953140146
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A6TBT9	8852.998454	3.947090388
A6TGW7	8849.716878	3.946929377
A6TGW4	8805.877604	3.944772645
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A6TDK6	8748.938924	3.941955385
A6TF60	8747.201172	3.941869115
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A6TC09	8620.733236	3.935544206
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A6TBK4	8587.272461	3.933855243
A6TAY8	8563.929606	3.932673089
A6T5D9	8495.669312	3.929197599
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A6TGP0	8060.231934	3.906347539
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A6TEN8	7777.822835	3.890858046
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A6T580	7740.672607	3.888778699
A6T7W5	7734.006429	3.888404529
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A6TAW4	7650.625977	3.883696971
A6TGM5	7648.748128	3.88359036
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A6TBQ1	7594.17098	3.880480371
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A6TB85	7093.715007	3.850873736
A6TCU5	7089.442301	3.850612072
A6TCB3	7078.822184	3.849961003
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A6TES3	7058.742106	3.848727315
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A6TBX0	6943.351481	3.84156915
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A6T5W2	6595.916911	3.819275176
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A6TCD1	6567.81543	3.81742094
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A6TF09	6544.507975	3.815877001
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A6T5I0	6421.313558	3.807623877
A6T6W9	6414.281006	3.807147982
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A6TDW4	6388.032064	3.805367087
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A6T8T0	4890.489909	3.689352367
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A6T503	3729.444702	3.571644172
A6THJ2	3720.228923	3.570569665
A6T8J4	3712.940796	3.569718024
A6TBW7	3704.614136	3.56874298
A6TAF9	3697.510579	3.567909425
A6T9P8	3678.578288	3.565680003
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A6TFP7	3657.764608	3.563215753
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A6TBT7	3635.473836	3.560561023
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A6T7K4	3614.052979	3.557994515
A6TCW6	3594.519084	3.555640794
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A6TAW6	3557.652262	3.551163496
A6TEK4	3552.156596	3.550492103
A6TB01	3543.696696	3.549456544
A6TEF1	3526.600749	3.547356295
A6T5E5	3525.062134	3.547166776
A6TEJ5	3520.48763	3.546602823
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A6TG74	3513.222778	3.54570569
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A6TGH7	3488.414022	3.542628023
A6T8L0	3485.544027	3.542270573
A6TDZ3	3485.382568	3.542250455
A6T7K3	3475.747925	3.541048272
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A6TE31	3435.815959	3.536029893
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A6T7T3	3426.451375	3.534844573
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A6TDW8	3408.221598	3.532527824
A6TBN8	3406.465739	3.532304025
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A6TEB4	3390.218363	3.530227672
A6T7D3	3374.304016	3.528184209
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A6TAA6	3341.887777	3.523991862
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A6TG08	3296.87972	3.518103103
A6T5Q8	3294.785767	3.517827181
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A6TE17	3280.790894	3.515978551
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A6TGC2	3273.156291	3.514966743
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A6T4T0	3171.526367	3.501268326
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A6TE99	3052.979329	3.484723864
A6TCI1	3040.371257	3.482926618
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A6TF45	3029.46106	3.481365374
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A6T6K4	2981.779541	3.474475531
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A6TEJ9	2936.875651	3.467885559
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A6T5F8	2826.554769	3.451257405
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A6TFC9	1972.394918	3.294993875
A6TAJ5	1966.070536	3.293599095
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A6TBC2	1954.78772	3.291099602
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A6TJ66	1653.774766	3.218476361
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A6TBK8	1649.84019	3.217441879
A6TG62	1649.145864	3.21725907
A6TFL8	1643.101949	3.215664511
A6T9G3	1641.337077	3.21519778
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A6T6E5	1638.098267	3.214339951
A6TD30	1634.413605	3.213361969
A6T4M3	1631.910258	3.212696272
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A6TGJ3	1283.645162	3.108444988
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A6TA98	1250.734812	3.097165238
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A6TEK2	759.4766235	2.880514411
A6T5G2	756.1827393	2.87862676
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A6TA56	719.5247256	2.857045723
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A6TE46	698.1935832	2.843975853
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A6T4Y8	690.5277557	2.83918114
A6TGT3	690.2508799	2.839006969
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A6T7C8	685.7567724	2.836170105
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A6TD48	559.0666148	2.747463559
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A6T4Q1	364.7222036	2.561962203
A6TC20	364.2112376	2.561353342
A6TCM7	364.0954336	2.561215232
A6TDV9	361.311615	2.557881923
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A6TEI5	360.5924886	2.557016676
A6T7H0	360.3180847	2.55668606
A6T8U7	359.6959508	2.555935549
A6T6X6	359.3822479	2.555556621
A6TD44	358.4526316	2.554431773
A6TF88	357.49322	2.55326781
A6T7F7	357.4908854	2.553264974
A6TD83	356.2111816	2.551707548
A6TGU6	353.9834595	2.548982969
A6TGD1	353.4086812	2.548277213
A6T4J2	353.40065	2.548267344
A6TER4	350.6975505	2.544932732
A6T861	350.1554947	2.544260946
A6T914	349.9418437	2.543995876
A6TBM8	349.7448527	2.543751332
A6TAK3	348.1586558	2.541777197
A6TCR3	347.5497971	2.541017039
A6TAL6	347.475179	2.540923787
A6T5M7	345.7189153	2.538723142
A6TEG5	345.5458272	2.538505653
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A6T7K8	343.3500074	2.535737061
A6TA09	342.68691	2.534897516
A6TAY7	341.9632111	2.533979386
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A6TES1	340.5442581	2.532173562
A6T7B1	340.361145	2.531939976
A6TFC6	339.8837229	2.531330367
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A6T8K5	339.0675913	2.530286281
A6TC90	337.610644	2.52841613
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A6T4Q6	335.1622721	2.525255126
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A6TI73	334.0340398	2.523790726
A6TDE6	333.9887365	2.523731821
A6T8U0	333.3725764	2.522929871
A6T615	332.9858704	2.522425805
A6T5D4	332.3553505	2.521602675
A6T4R8	330.4906642	2.519159196
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A6TEC2	326.0268453	2.513253362
A6T8T9	325.6605403	2.512765139
A6TCA7	325.325971	2.512318735
A6T4T1	325.2588374	2.512229105
A6T6Q4	324.1531728	2.510750277
A6T976	322.9871318	2.50918522
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A6T954	320.532397	2.505871931
A6T8H7	320.1899719	2.505407726
A6TCQ5	319.1015396	2.5039289
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A6TI91	317.7624758	2.502102611
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A6T9J7	313.7891642	2.496637942
A6T656	313.6963882	2.496509518
A6TB23	313.6254654	2.496411319
A6T8P9	313.1797536	2.495793678
A6TEQ4	312.4085515	2.494722913
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A6T4T5	312.2122294	2.49444991
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A6TAX7	296.1817703	2.471558325
A6T8X5	296.0740204	2.471400301
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A6T7V4	294.478447	2.469053514
A6T9D8	293.6219635	2.467788539
A6T8B2	293.4681498	2.467560974
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A6TD45	289.1535365	2.461128508
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A6T9V6	277.9444148	2.443957951
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A6TI29	274.4965197	2.438536843
A6TCG4	273.9112295	2.437609837
A6TG71	273.0951157	2.436313933
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A6TDK2	271.1693204	2.433240553
A6TA90	270.6471024	2.432403382
A6T8K0	270.5571874	2.432259076
A6T712	269.7370911	2.43094067
A6TFM2	269.0467631	2.429827771
A6TCH3	268.5320066	2.428996057
A6T7Z9	267.9651159	2.428078261
A6TAD1	267.8109131	2.42782827
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A6T8X6	173.2834269	2.238757028
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A6T8K7	167.4870021	2.223981109
A6TH86	167.4684092	2.223932895
A6T525	166.9181836	2.22250365
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A6TF59	166.4801254	2.221362394
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A6TE37	159.5978012	2.203026904
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A6T7R1	148.6662102	2.17221227
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A6TB79	147.764684	2.169570649
A6T4Y6	147.5828654	2.169035938
A6T8X3	146.7356466	2.16653563
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A6THP9	81.98555374	1.913737334
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A6T7B5	78.9598341	1.897406227
A6TFW7	78.89471817	1.897047929
A6T804	78.86531258	1.896886029
A6TIC0	78.64310063	1.895660628
A6T771	78.6212475	1.895539931
A6T9J6	78.56197325	1.895212383
A6T7W8	78.55731583	1.895186636

A6T4Q5	78.04875681	1.89236599
A6TD02	77.58397865	1.889772047
A6T6R2	77.51292419	1.889374121
A6T8R9	77.44236606	1.888978613
A6TB68	76.94263776	1.886167071
A6T7B6	76.72114118	1.884915054
A6TH38	76.6853058	1.884712154
A6T7L7	76.45738834	1.883419459
A6T9H0	76.10597261	1.88141874
A6TGC0	75.48425897	1.877856396
A6TBQ8	75.34772746	1.877070158
A6TET8	75.34564463	1.877058153
A6TB66	75.31603622	1.876887456
A6T949	75.31350199	1.876872842
A6T9E8	74.9709994	1.8748933
A6T4H0	74.92518107	1.874627801
A6T9D7	74.8807869	1.8743704
A6T8R2	74.86434555	1.874275032
A6T7E2	74.77615865	1.873763151
A6T775	74.7757376	1.873760706
A6T955	74.69465764	1.873289541
A6TAH3	73.93820318	1.868868892
A6TF27	73.82376385	1.868196184
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A6TE16	73.31966972	1.8652205
A6TDG7	73.26571655	1.864900801
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A6T4K4	72.92457263	1.862873893
A6TFU9	72.87649727	1.862587491
A6T8R1	72.81553332	1.862224035
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A6TA30	72.4139772	1.859822401
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A6T665	71.95233727	1.857044906
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A6T905	71.71671391	1.855620382
A6T5Q4	71.55920664	1.854665517
A6T9J8	71.32175382	1.853222014
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A6T612	70.71432845	1.849507421
A6TBB0	70.39679782	1.847552905
A6T967	70.35338656	1.847285008
A6TBZ9	70.22262732	1.846477074
A6TGP5	70.21546809	1.846432795
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A6TFW6	69.37020938	1.841173005
A6TDK7	69.35014153	1.841047352
A6TBJ2	68.66453107	1.836732458
A6TB08	68.2183946	1.833901495
A6T708	68.1833636	1.833678422
A6T963	68.09389358	1.833108168
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A6TGF0	66.92212613	1.82556973
A6TGJ4	66.3886865	1.822094076
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A6T5V9	65.40603193	1.815617802
A6T9T7	65.11985048	1.813713395
A6TEN0	64.90781148	1.812296966
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A6TGD4	64.60412598	1.810260255
A6TF19	64.31298129	1.808298642
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A6T4K0	64.29412905	1.808171318
A6TD69	64.11379401	1.806951478
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A6TGY6	63.94839032	1.805829617
A6T5Y0	63.92351723	1.805660663
A6TJ30	63.91491922	1.805602244
A6TGG4	63.59416802	1.80341729
A6THB2	63.57641315	1.803296022
A6TD73	63.56693331	1.80323126
A6TB80	62.97264099	1.799151907
A6TBR2	62.85660458	1.798350917
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A6TFA9	61.60619164	1.789624362
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A6TDQ5	61.46133105	1.788601961
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A6TE91	61.25460243	1.787138725
A6T6S9	60.55806287	1.782171975
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A6TC56	58.94845136	1.7704724
A6TCW7	58.86264398	1.769839766
A6T632	58.78930728	1.769298343
A6T564	58.7546463	1.769042216
A6TDM9	58.56069279	1.767606206
A6TC91	58.49196815	1.767096235
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A6T883	58.12327576	1.764350083
A6T713	58.11853027	1.764314623
A6TB63	58.05436707	1.763834895
A6T5J3	58.03467814	1.76368758
A6T936	57.93487581	1.76294008
A6T6Q1	57.89525286	1.762642955
A6TFZ6	57.81429418	1.762035228
A6T9K4	57.57468923	1.760231602
A6TG97	57.03405571	1.756134256
A6TG25	56.64823151	1.753186356
A6T6P4	56.62235514	1.752987929
A6TEB9	56.37647692	1.751097932
A6T802	56.21580812	1.749858458
A6TEQ7	55.98715771	1.74808842
A6TFJ8	55.83486938	1.746905505
A6TE27	55.75178305	1.746258762
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A6TAU7	54.37424668	1.735393253
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A6T640	54.15672175	1.733652367
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A6THX3	54.00660769	1.732446899
A6TCS8	53.86483944	1.73130537
A6TID9	53.84983422	1.731184371
A6T5U2	53.80825869	1.730848938
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A6TGZ3	53.29832236	1.726713539
A6TA94	53.15765561	1.725565819
A6T4M7	52.92852338	1.723689778
A6TG30	52.74088605	1.722147422
A6TBZ3	52.38559405	1.719211873
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A6T957	52.07057826	1.716592401
A6TAP4	51.91208839	1.715268501
A6TAC7	51.82767995	1.714561768
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A6T7M9	48.62834136	1.686889457
A6T9R9	48.30229123	1.683967732
A6TB37	48.14418221	1.682543814
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A6T816	47.71021175	1.678611344
A6T6U6	47.66066678	1.678160114
A6TCA9	47.39111455	1.675696923
A6TAH8	47.33659967	1.675197058
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A6TF22	46.84249369	1.670640007
A6TDJ5	46.20422427	1.664681683
A6T5L0	46.18650796	1.664515128
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A6TCE1	46.04486051	1.663181162
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A6T8M9	43.92880535	1.642749393
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A6TFJ5	43.24653912	1.635951358
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A6THF0	42.69541677	1.630381257

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A6T7F9	41.71296597	1.620271071
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A6T6K1	36.85561689	1.566503685
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A6T9I7	36.17234696	1.558376688
A6T7S9	35.89790614	1.555069118
A6TB10	35.77647495	1.553597547
A6T956	35.6954689	1.552613091
A6THS0	35.47406276	1.54991093
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A6T650	33.51043669	1.525180087
A6TBX8	33.44285509	1.524303347
A6TA62	33.41340446	1.523920728
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A6T5W5	29.99952412	1.477114366
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A6T5E3	27.23949353	1.435199028
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A6T7T9	24.06322352	1.381353805

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A6T6I2	23.51904617	1.371419705
A6TD89	23.31760518	1.367683944
A6T8L3	23.18224143	1.365155424
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A6T621	23.06963846	1.363040788
A6TIK5	23.03812344	1.362447101
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A6T9E2	18.37980026	1.264340787
A6THQ4	18.3493234	1.263620055
A6THP7	18.29690021	1.26237752
A6THW4	18.18725262	1.259767099
A6TDL4	17.826893	1.251075658
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A6TB99	17.43559625	1.241436804
A6TEH7	17.37856314	1.240013866

A6T922	16.71787515	1.223181078
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A6T794	16.46182214	1.216477905
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A6TF23	16.32153122	1.2127609
A6TC97	16.31116374	1.212484948
A6TES7	15.93400987	1.202325082
A6T6E8	15.90230854	1.201460176
A6T588	15.83224688	1.199542553
A6TG66	14.57037585	1.163470755
A6TCQ1	14.47843879	1.160721735
A6TGG3	14.42286563	1.159051557
A6T5Q5	14.26877742	1.154386763
A6T579	13.93765698	1.144189772
A6TGP2	13.93386719	1.144071667
A6TEG4	12.90968396	1.110915611
A6T4G1	12.59646033	1.100248523
A6T8Z9	12.54811639	1.098578538
A6TBB1	12.45325109	1.095282745
A6TDK1	12.13425681	1.084013182
A6TEH6	11.85787134	1.074006734
A6TDC9	11.36668735	1.055633914
A6T6W4	11.3153904	1.053669542
A6TGB7	11.09140535	1.044986578
A6TEH0	10.93752442	1.038919036
A6T9G0	10.30568805	1.013076993
A6TFF5	9.78425312	0.990527679
A6THW7	9.706614276	0.987067772
A6TGT2	9.650142133	0.98453371
A6TG23	9.637800703	0.983977941
A6TE44	9.309378276	0.968920678
A6TFV0	9.107795705	0.959413281
A6TD52	8.829647034	0.945943343
A6TJ32	8.262059897	0.917088339
A6TCP4	7.325034926	0.8648097
A6T7I7	5.778287113	0.761799117
A6T9X6	5.74390016	0.759206882
A6TIG0	4.93161582	0.692989237
A6TGI4	4.42079259	0.64550014
A6TBL9	4.323374818	0.635822889
A6TF41	4.207269897	0.624000373
A6T5J5	3.008958081	0.478416138

Raw Table S5. The differentially expressed proteins between the cKp group and the hvKp group. The raw table S5 is associated in accompanying legends and captions with definitive Figure 3.

ProteinGroup	hvKp	cKp	P.Value	Fold.Change	Protein.Name
A6TD08	1152.195 323	32261.08 561	6.52378E -06	-27.9996672 2	Iron transporter: fur regulated
A6TI57	86.75334 04	2137.423 859	0.000675 778	-24.6379430 3	ATPase with chaperone activity, ATP-binding subunit
A6T8I9	158.1685 568	2612.068 807	4.3999E- 05	-16.5144631 7	3-oxoadipyl-CoA thiolase (EC 2.3.1.174)
A6T7K9	45.26582 664	631.9685 16	5.92706E -07	-13.9612719 6	ABM domain-containing protein
A6T9K2	1506.639 435	19823.14 876	8.65663E -10	-13.1571949 5	Putative oxidoreductase
A6TH26	44.36829 821	554.0298 462	0.002458 788	-12.4870655 1	Alpha-galactosidase
A6T8I5	107.8214 588	1258.908 437	1.42422E -06	-11.6758616 6	Probable enoyl-CoA hydratase
A6T6H2	232.6210 429	2569.917 196	0.001286 294	-11.0476557 2	Putative homeobox protein
A6THU2	94.44977 76	1031.005 239	1.58401E -06	-10.9159096 5	4-hydroxyphenylacetate catabolism
A6T540	116.8062 82	1274.236 394	0.001871 909	-10.9089714 4	Glutarate 2-hydroxylase (G-2-H) (EC 1.14.11.64)
A6TJ07	24.56902 795	263.8017 438	0.003944 661	-10.7371665 5	Dihydropteroate synthase (DHPS) (EC 2.5.1.15) (Dihydropteroate pyrophosphorylase)
A6TGZ7	59.53106 933	633.0224 304	0.000220 023	-10.6334799 2	Cation/acetate symporter ActP (Acetate permease) (Acetate transporter ActP)
A6T8I6	73.88672 447	769.5941 976	2.46015E -06	-10.4158656 8	Enoyl-CoA hydratase
A6T6A8	59.57611 243	613.1962 077	0.000139 838	-10.2926522 5	Glutamate/aspartate transport protein (ABC superfamily, membrane)
A6TAU6	229.1395 709	2291.313 456	5.8195E- 06	-9.99964103 8	High-affinity branched-chain amino acid transport protein (ABC superfamily, peri_bind)
A6T8I7	94.11444 918	933.9181 417	2.47176E -05	-9.92321742 1	3-hydroxybutyryl-CoA dehydrogenase
A6TBT0	102.9622 688	1016.550 283	0.003651 078	-9.87303693 2	Methylated-DNA--[protein]-cysteine S-methyltransferase (EC 2.1.1.63)
A6TF66	2245.687 846	21991.17 432	0.000581 682	-9.79262294 5	sn-glycerol 3-phosphate transport protein (ABC superfamily, peri_bind)

A6T7T5	787.5172 984	7359.996 826	2.25888E -05	-9.34582242 4	N-succinylglutamate 5-semialdehyde dehydrogenase (EC 1.2.1.71) (Succinylglutamic semialdehyde dehydrogenase) (SGSD)
A6T7T7	558.6558 584	5003.316 203	2.22587E -06	-8.95598986	Succinylglutamate desuccinylase (EC 3.5.1.96)
A6T7T6	292.7201 513	2477.906 942	1.16168E -06	-8.46510542 9	N-succinylarginine dihydrolase (EC 3.5.3.23)
A6T9T8	977.1446 991	8018.753 662	0.000287 54	-8.20631137 8	Putative ABC transporter periplasmic binding protein
A6T7L4	1275.730 357	10455.33 545	5.84332E -08	-8.19556843 9	Putative catalase
A6THU7	258.8638 484	2093.074 463	0.000138 602	-8.08561904 7	4-hydroxyphenylacetate catabolism
A6T5T8	1944.104 34	15487.91 357	0.000574 388	-7.96660614 3	Putative periplasmic binding protein
A6TF34	5307.567 952	41866.97 428	0.001870 934	-7.88816547 6	DUF1471 domain-containing protein
A6TA95	2676.749 166	20810.45 687	3.25944E -05	-7.77452633	Putative ABC transporter periplasmic binding protein
A6THU9	311.0187 225	2380.536 926	2.21032E -08	-7.65399879 1	4-hydroxyphenylacetate catabolism
A6T9T7	8.588064 452	65.11985 048	0.001927 632	-7.58259918 1	Putative ABC transporter ATP-binding protein
A6TBZ6	4377.878 499	32942.63 835	0.001390 972	-7.52479502 4	Lysine-, arginine-, ornithine-binding periplasmic protein
A6TBN5	9507.747 64	70512.30 534	0.000251 804	-7.41629963 4	D-galactose-binding periplasmic protein (D-galactose/ D-glucose-binding protein)
A6THD9	4811.213 094	35646.36 198	3.62573E -07	-7.40901749 4	Putative D-ribose transport protein (ABC superfamily, peri_bind)
A6T8H9	130.3744 996	889.5410 97	6.84188E -05	-6.82296844 5	Phenylacetic acid degradation protein putative aldehyde dehydrogenase
A6T4V2	268.0760 549	1809.478 984	1.13009E -06	-6.74987172 7	Alpha-dextrin endo-1,6-alpha-glucosidase (EC 3.2.1.41) (Pullulan 6-glucanohydrolase)
A6T6B0	14454.59 058	91867.05 729	0.000971 278	-6.35556274	Glutamate/aspartate periplasmic binding protein
A6TH08	435.4419 53	2762.000 387	0.000548 219	-6.34298180 8	D-ribose periplasmic binding protein
A6T7L0	73.82232 666	434.2710 114	0.000213 15	-5.88265137 4	Putative oxidoreductase
A6T538	1979.239 339	11634.87 923	2.90231E -07	-5.87845997 3	Succinate-semialdehyde dehydrogenase I, NADP-dependent
A6TBN3	18.94220 892	107.0050 29	0.003407 514	-5.64902591 4	Beta-methylgalactoside transporter inner membrane component

A6T4F1	325.8909 084	1806.083 11	4.45773E -05	-5.54198679	Putative regulator, integral membrane protein
A6T4U6	79.88213 083	442.6150 386	0.001246 552	-5.54085167 7	Type II secretion system core protein G
A6T7L3	11612.96 712	62573.77 018	1.84933E -05	-5.38826722 9	DUF892 domain-containing protein
A6TGV4	16578.63 916	88398.62 305	0.000147 236	-5.33207956 3	CsbD domain-containing protein
A6T6N0	69.60319 486	368.2398 936	0.005720 031	-5.29056021 5	Putative transport protein
A6TF63	38.81448 229	187.7228 686	0.000294 686	-4.83641304 8	ATP-binding component of sn-glycerol 3-phosphate transport system
A6T8L1	201.8876 648	973.2155 762	1.73576E -08	-4.82057968 8	Aldehyde dehydrogenase A, NAD-linked
A6TGR7	703.7949 727	3340.234 578	1.67479E -06	-4.74603358 6	Isocitrase (EC 4.1.3.1) (Isocitratase) (Isocitrate lyase)
A6T9P1	109.1538 277	504.2799 276	1.90586E -05	-4.61990145 8	Cryptic nitrate reductase 2 beta subunit
A6TAQ0	358.3722 382	1652.412 313	1.2401E- 05	-4.61088258 8	Peripla_BP_4 domain-containing protein
A6T8J1	31.34700 732	144.3336 678	0.001382 925	-4.60438428	Transcriptional repressor for phenylacetic acid degradation
A6TBS9	401.9090 068	1844.630 086	2.34625E -06	-4.58967093 4	DNA repair system specific for alkylated DNA
A6TFC8	163.1150 996	731.1477 254	2.12651E -07	-4.48240369 7	AsmA domain-containing protein
A6T8I8	39.17244 201	174.4194 806	7.1561E- 05	-4.45260677 4	Phenylacetic acid degradation protein
A6T6A9	220.7670 771	951.6295 268	1.45069E -05	-4.31055907	Glutamate/aspartate transport protein (ABC superfamily, membrane)
A6TGZ9	6358.831 787	27111.08 073	1.14735E -05	-4.26353167 3	Acetyl-coenzyme A synthetase (AcCoA synthetase) (Acs) (EC 6.2.1.1) (Acetate--CoA ligase) (Acyl-activating enzyme)
A6TCS6	2022.278 442	8587.590 495	3.11907E -05	-4.24649262 7	Aldehyde dehydrogenase B (Lactaldehyde dehydrogenase)
A6T539	134.7622 795	569.9507 141	2.32697E -07	-4.22930449 2	L-2-hydroxyglutarate dehydrogenase (L2HG dehydrogenase) (EC 1.1.5.13) (L2HG:quinone oxidoreductase)
A6T8J2	1855.031 047	7833.672 282	0.001711 62	-4.22293324 8	Phenylacetic acid degradation protein putative transferase
A6T9S9	165.2020 804	689.5369 619	5.74528E -05	-4.17389999 1	Putative NAD-dependent aldehyde dehydrogenases
A6TF78	630.4776 815	2597.379 476	7.14806E -05	-4.11970090 6	Putative aminotransferase class-III

A6TBN4	19.91634 687	81.97214 254	0.002014 024	-4.11582219 8	Galactose/methyl galactoside import ATP-binding protein MglA (EC 7.5.2.11)
A6T5V5	28.84078 193	118.5625 534	0.001827 443	-4.11093408 3	Putative 3-ketoacyl-(Acyl-carrier-protein) reductase
A6T5S8	45.01825 905	181.4585 584	0.000314 476	-4.03077689 4	Lysine/cadaverine transport protein (APC family)
A6T9Z5	4675.171 997	18824.86 898	7.68908E -05	-4.02656180 1	Superoxide dismutase [Cu-Zn] (EC 1.15.1.1)
A6TAZ1	28.14462 217	111.8187 777	0.006386 39	-3.97300688 8	UPF0266 membrane protein KPN78578_23010
A6T5V6	167.4165 548	665.1243 947	8.37102E -05	-3.97287111 6	Putative arylsulfatase
A6TF60	2203.854 716	8747.201 172	8.49798E -08	-3.96904619 4	Glutathione hydrolase proenzyme (EC 2.3.2.2) (EC 3.4.19.13) [Cleaved into: Glutathione hydrolase large chain; Glutathione hydrolase small chain]
A6TEB5	4537.584 9	17957.28 451	0.000743 584	-3.95745421 9	Autoinducer 2-binding protein LsrB (AI-2-binding protein LsrB)
A6THQ0	1563.295 329	6154.864 339	0.003868 787	-3.93710914 8	Outer membrane lipoprotein Blc
A6TFF2	9933.527 832	38878.88 021	0.000324 188	-3.91390459 3	Dipeptide transport protein
A6THC6	849.5165 304	3321.036 987	0.001138 086	-3.90932591 5	Uncharacterized protein
A6T9V7	1505.449 89	5863.906 576	3.83199E -05	-3.89511907	DUF1338 domain-containing protein
A6TFT3	68.56835 111	265.0318 871	0.002197 368	-3.86522182 3	Putative enzyme with a phosphatase-like domain
A6T8V4	74.53305 467	283.2112 147	0.000788 97	-3.79980689	Abasic site processing protein (EC 3.4.-.-)
A6TH23	1594.165 98	5972.161 499	0.000181 352	-3.74626078 7	Putative alkylphosphonate uptake protein in phosphonate metabolism
A6THU5	214.9350 598	796.7696 737	0.000670 018	-3.70702515 7	4-hydroxy-2-oxo-heptane-1,7-dioate aldolase (EC 4.1.2.52) (2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolase) (HHED aldolase) (4-hydroxy-2-ketoheptane-1,7-dioate aldolase) (HKHD aldolase)
A6TCQ8	441.7610 779	1604.773 57	0.000170 153	-3.63267306 7	Putative arginase/agmatinase/formiminoglutamase
A6T5S4	907.1748 657	3273.279 215	0.000287 77	-3.60821197 7	Putative acetyltransferase, GNAT family
A6T537	1321.464 803	4752.282 186	4.9093E- 06	-3.59622305 1	4-aminobutyrate aminotransferase

A6TFT2	844.7862 854	3037.913 33	1.92636E -05	-3.59607321 1	50S ribosomal protein L21
A6T5W4	237.6533 394	853.2258 097	4.32152E -06	-3.59021174 3	Putative aldehyde dehydrogenase
A6THB8	102.9370 613	366.9345 729	0.000110 469	-3.56464977 9	D-alanine/D-serine/glycine transport protein (APC family)
A6T6Q5	13764.44 076	48827.08 105	0.003206 351	-3.54733489 9	Glutamine ABC transporter periplasmic-binding protein
A6T9J3	6144.644 531	21790.26 253	0.000263 404	-3.54622019 6	BOF domain-containing protein
A6T6L0	4187.152 303	14730.37 484	0.000209 192	-3.51799356	Urocanate hydratase (Urocanase) (EC 4.2.1.49) (Imidazolonepropionate hydrolase)
A6TBU8	63.15100 384	217.6802 114	0.002348 319	-3.44697943 3	L-rhamnonate dehydratase (RhamD) (EC 4.2.1.90)
A6T7L2	8863.655 192	30501.88 184	2.19411E -05	-3.44123064 1	Putative structural proteins
A6TGM4	385.2147 446	1324.577 352	3.00997E -05	-3.43854271	Fatty acid oxidation complex subunit alpha [Includes: Enoyl-CoA hydratase/Delta(3)-cis-Delta(2)-trans-enoil-Co A isomerase/3-hydroxybutyryl-CoA epimerase (EC 4.2.1.17) (EC 5.1.2.3) (EC 5.3.3.8); 3-hydroxyacyl-CoA dehydrogenase (EC 1.1.1.35)]
A6TGM3	267.1918 691	912.2103 78	7.68868E -07	-3.41406488 6	3-ketoacyl-CoA thiolase (EC 2.3.1.16) (Acetyl-CoA acyltransferase) (Beta-ketothiolase) (Fatty acid oxidation complex subunit beta)
A6T6L1	1866.513 672	6371.036 214	7.03556E -05	-3.41333487 7	Histidine ammonia-lyase (Histidase) (EC 4.3.1.3)
A6TGU4	25734.75 505	86747.79 427	0.003907 179	-3.37084204 3	Maltodextrin-binding protein
A6TCG4	82.17781 565	273.9112 295	0.002632 987	-3.33315296	Putative transmembrane protein
A6T9J7	94.16561 508	313.7891 642	8.08724E -05	-3.33231152 3	Putative oxidoreductase
A6TAK4	18305.79 329	60884.90 69	8.40442E -06	-3.32599117 2	Oligopeptide transport protein (ABC superfamily, peri_bind)
A6TD90	7011.143 921	23224.26 53	1.38403E -05	-3.31247875 7	Uncharacterized protein
A6T776	78.18480 301	256.5581 36	1.08064E -06	-3.28143227 5	Putative aldehyde dehydrogenase
A6TAV8	6619.559 692	21696.39 616	2.74479E -05	-3.27761923 3	Periplasmic trehalase (EC 3.2.1.28) (Alpha,alpha-trehalase) (Alpha,alpha-trehalose glucosylhydrolase)

A6T645	95.95022 837	311.6562 805	0.000564 492	-3.24810358 2	Carbon starvation protein
A6TAK2	148.3319 728	474.9544 373	0.001007 655	-3.20196939 6	Oligopeptide transport permease protein
A6TDI6	866.3638 509	2763.681 62	0.003030 78	-3.18997799 5	Putative ABC transporter periplasmic binding protein
A6TBZ4	69.23494 148	219.7852 325	0.000191 547	-3.17448426 8	Histidine and lysine/arginine/ornithine transport system (ABC superfamily, membrane)
A6T5A9	5787.963 826	18337.68 571	0.001051 804	-3.16824469 9	Uncharacterized protein
A6TA93	31.74211 089	100.2198 919	0.000407 726	-3.15731654 5	Putative ABC transporter
A6T7Y4	7245.036 133	22840.92 676	0.001625 209	-3.15263117 2	Aconitate hydratase (Aconitase) (EC 4.2.1.3)
A6TCR3	110.4178 581	347.5497 971	0.002933 156	-3.14758683 9	L-fucose phosphate aldolase
A6TEC1	195.5030 111	614.6652 781	8.47492E -05	-3.14401949 5	2,4-dienyl-CoA reductase, FMN-linked
A6TFF8	344.6966 437	1083.628 164	0.001845 403	-3.14371544 8	Putative lipase
A6TEC0	98.18791 135	307.5447 795	7.33468E -05	-3.13220614 7	Autoinducer-2 kinase (AI-2 kinase) (EC 2.7.1.189)
A6T6Z9	64.86613 21	201.5556 234	0.000756 74	-3.10725515 5	Uncharacterized protein
A6T9R6	101.9217 275	315.1527 761	0.006082 27	-3.09210591 1	L-asparagine permease
A6TGR6	71.41006 215	220.5946 833	0.000261 49	-3.08912605 1	Malate synthase (EC 2.3.3.9)
A6T995	50.22476 133	154.3545 163	0.000593 534	-3.07327525 8	Probable succinyl-diaminopimelate desuccinylase (EC 3.5.1.18)
A6THU8	124.9432 786	381.6135 966	0.000326 329	-3.05429472 3	4-hydroxyphenylacetate catabolism
A6T832	1418.520 528	4272.820 557	7.24198E -06	-3.01216688 2	Putative intracellular protease/amidase
A6T9P0	787.3883 158	2336.468 282	0.000687 733	-2.96736468 5	Nitrate reductase (quinone) (EC 1.7.5.1)
A6TG69	638.5747 248	1888.448 385	2.98477E -05	-2.95728645 6	Der GTPase-activating protein YihI
A6T962	261.6791 28	766.4900 462	0.000914 706	-2.92912183	Deoxyribose-phosphate aldolase (DERA) (EC 4.1.2.4) (2-deoxy-D-ribose 5-phosphate aldolase) (Phosphodeoxyriboaldolase) (Deoxyriboaldolase)
A6TCL2	31.14923	91.04963	0.003466	-2.92301305	Putative iron-regulated membrane protei

	975	43	316		
A6TFI2	2222.189 972	6482.267 375	0.005170 025	-2.91706265 3	D-xylose transport protein (ABC superfamily, peri_bind)
A6THU6	99.16892 37	286.9946 365	0.000270 836	-2.89399769 4	4-hydroxyphenylacetate catabolism
A6T7A6	195.6223 539	564.1841 558	0.003689 806	-2.88404747 5	Sodium/proline symporter (Proline permease)
A6T7T4	394.4892 324	1126.312 317	0.000932 83	-2.85511548 7	Arginine N-succinyltransferase (AST) (EC 2.3.1.109) (AOST)
A6T7R3	474.9013 112	1348.617 757	3.42718E -06	-2.83978528 9	Putative chitinase II
A6T7U8	5255.064 657	14892.02 384	0.002565 99	-2.83384217 3	Catalase (EC 1.11.1.6)
A6T7T3	1217.772 542	3426.451 375	0.000823 683	-2.81370391 9	Acetylornithine/succinyldiaminopimelate aminotransferase (ACOAT) (DapATase) (Succinyldiaminopimelate transferase) (EC 2.6.1.11) (EC 2.6.1.17)
A6T6V9	37.34136 581	105.0602 875	1.6736E- 06	-2.8135095	Arginine 3rd transport system permease protein
A6T9K0	264.4032 224	743.5727 285	0.001473 92	-2.81226802 7	DUF892 domain-containing protein
A6TFF1	254.6817 716	712.4033 966	0.002694 131	-2.79722962 6	Dipeptide transport protein 1 (ABC superfamily, membrane)
A6T6V0	3930.445 028	10963.42 367	0.005035 166	-2.78935937	Putrescine-binding periplasmic protein
A6THV0	584.9963 277	1631.212 626	0.007233 732	-2.78841515 6	4-hydroxyphenylacetate catabolism
A6T4M0	28.88995 33	80.13561 694	0.000423 72	-2.77382300 1	Leucine transcriptional activator
A6T9W0	75.49251 684	208.4650 218	1.22877E -05	-2.76139981 2	Putative transcriptional regulator (LysR family)
A6TBG7	401.8769 073	1109.091 858	1.9133E- 05	-2.75978001 6	3-methyl-adenine DNA glycosylase II, inducible
A6THV1	428.7311 122	1179.146 932	0.002037 131	-2.75031808 6	4-hydroxyphenylacetate catabolism
A6TFE8	295.4793 65	811.9077 454	1.09973E -05	-2.74776462 1	Dipeptide transport protein (ABC superfamily, atp_bind)
A6TDV9	132.2261 645	361.3116 15	0.000700 537	-2.73252738 1	Putative bacterial regulatory protein, LuxR
A6T9T4	1608.111 369	4380.310 303	2.44643E -06	-2.72388491 7	Gamma-aminobutyraldehyde dehydrogenase (ABALDH) (EC 1.2.1.19) (1-pyrroline dehydrogenase) (4-aminobutanal dehydrogenase) (5-aminopentanal dehydrogenase) (EC 1.2.1.-)

A6TC19	142.1985 842	386.9141 184	5.9751E- 05	-2.72094212 8	Fatty acid oxidation complex subunit alpha [Includes: Enoyl-CoA hydratase/3-hydroxybutyryl-CoA epimerase (EC 4.2.1.17) (EC 5.1.2.3); 3-hydroxyacyl-CoA dehydrogenase (EC 1.1.1.35)]
A6TC87	8659.348 226	23491.93 652	4.62675E -05	-2.71289892 8	Transaldolase (EC 2.2.1.2)
A6T5J9	673.3095 957	1819.816 386	0.002202 265	-2.70279288 7	Putative dTDP-glucose pyrophosphorylase
A6T517	50.19395 638	134.4668 248	0.000554 527	-2.67894453	Acyl-coenzyme A dehydrogenase (EC 1.3.8.7) (EC 1.3.8.8)
A6TAW4	2872.520 345	7650.625 977	8.25839E -07	-2.66338443 5	D-amino acid dehydrogenase (EC 1.4.99.-)
A6T829	323.6354 898	846.7820 841	0.000869 103	-2.61646856 1	Putative transcriptional regulator (LysR family)
A6T8G6	949.3779 399	2481.891 012	0.000108 567	-2.61422865 2	Phenylacetaldehyde dehydrogenase
A6T7A5	1069.457 235	2790.564 006	0.000172 779	-2.60932734 4	Bifunctional protein PutA [Includes: Proline dehydrogenase (EC 1.5.5.2) (Proline oxidase); Delta-1-pyrroline-5-carboxylate dehydrogenase (P5C dehydrogenase) (EC 1.2.1.88) (L-glutamate gamma-semialdehyde dehydrogenase)]
A6TBA8	982.8499 654	2547.571 716	0.006270 512	-2.59202503 5	Putative 4-oxalocrotonate tautomerase
A6T6A7	687.1402 842	1779.178 792	1.4942E- 05	-2.58925118 1	ATP-binding protein of glutamate/aspartate transport system
A6T8K3	10120.64 209	25695.36 719	0.000663 924	-2.53890681 6	Glutamate dehydrogenase
A6T8X0	33.95075 649	85.43963 623	0.006808 767	-2.51657533	Beta-galactosidase 1 (Beta-gal 1) (EC 3.2.1.23) (Lactase 1)
A6TFC6	136.6993 713	339.8837 229	0.001488 659	-2.48635907 8	Uncharacterized protein
A6T4S1	757.7649 587	1865.636 902	0.000396 245	-2.46202583 1	Glucose dehydrogenase
A6T8I4	196.1631 455	480.1979 93	0.004339 21	-2.44795214 6	Probable phenylacetic acid degradation NADH oxidoreductase
A6TC88	6607.546 224	16170.89 258	7.7677E- 07	-2.44733703 4	Transketolase (EC 2.2.1.1)
A6T791	7583.772 38	18461.83 35	0.006822 503	-2.43438655 2	Glucose-1-phosphatase
A6TCL9	64.14192 825	155.8650 665	0.002825 519	-2.43000282	Cytochrom_C_asm domain-containing protein

A6TEM9	977.6473 694	2372.591 878	7.30177E -05	-2.42683809 4	Mannonate dehydratase (EC 4.2.1.8) (D-mannonate hydro-lyase)
A6TH69	515.4470 673	1246.273 885	0.000678 42	-2.41785037 5	Outer membrane lipoprotein Blc
A6TFE9	1174.918 304	2789.682 292	1.18418E -06	-2.37436278	Dipeptide transport protein (ABC superfamily, atp_bind)
A6TB07	2845.234 599	6752.219 076	0.000814 523	-2.37316778	Uncharacterized protein
A6TF00	420.3570 925	997.2948 71	0.000379 232	-2.37249445 5	Fido domain-containing protein
A6TC20	153.6739 146	364.2112 376	0.000108 13	-2.37002642	3-ketoacyl-CoA thiolase (EC 2.3.1.16) (ACSs) (Acetyl-CoA acyltransferase) (Acyl-CoA ligase) (Beta-ketothiolase) (Fatty acid oxidation complex subunit beta)
A6TBY8	374.6967 163	882.1511 332	1.41384E -05	-2.35430708 3	Putative S-transferase
A6T9P4	473.4531 86	1109.660 441	0.003061 908	-2.34375958 1	N-hydroxyarylamine O-acetyltransferase
A6TAX7	127.6856 588	296.1817 703	4.17379E -05	-2.31961657 4	Acyl-CoA synthase
A6T4K2	94.98991 648	219.9500 631	0.000593 304	-2.31550959 5	Transcriptional regulator for ara operon
A6TFI7	203.7324 855	471.7199 3	0.000157 933	-2.31538887 4	Periplasmic alpha-amylase
A6TEH1	540.7115 377	1246.795 38	0.002455 88	-2.30584201 1	Putative NADH dehydrogenase
A6TCT6	17557.45 736	40176.03 288	0.003257 24	-2.28826031 4	Uncharacterized protein
A6THJ3	804.8629 557	1839.763 438	0.003621 924	-2.28580955 9	Putative epimerase/isomerase
A6T6S8	8455.532 796	19207.74 642	0.002163 46	-2.2716187	Putative dipeptide transport protein (ABC superfamily, peri_bind)
A6T9I6	117.1465 816	263.5494 512	0.004348 151	-2.24974085 9	Uncharacterized protein
A6TDH4	220.4193 522	493.8022 868	0.000494 408	-2.24028553 7	Putative acyltransferase
A6TC35	4509.033 936	10070.02 148	3.88214E -05	-2.23329911 2	Putative pyruvate decarboxylase
A6T9V2	176.8859 215	395.0075 378	0.001650 037	-2.23312027 6	Putative LpxA-like enzyme
A6TGR9	407.5298 004	909.3396 505	0.002612 938	-2.23134516 7	Repressor of aceBA operon
A6TDW2	684.9172 16	1522.471 415	0.002903 826	-2.22285464 5	Uncharacterized protein

A6TBZ5	12283.03 394	27192.13 021	0.006803 602	-2.21379590 3	Histidine transport protein (ABC superfamily, peri_bind)
A6T8J0	270.9932 149	593.9471 436	0.000340 349	-2.19174175 2	Phenylacetate-coenzyme A ligase (EC 6.2.1.30) (Phenylacetyl-CoA ligase)
A6TBW6	376.1716 054	822.5560 557	0.002908 581	-2.18665110 2	NADH-quinone oxidoreductase subunit J (EC 7.1.1.-)
A6T8M7	3031.880 575	6614.746 338	0.001601 972	-2.18173050 5	Fumarate hydratase class II (Fumarase C) (EC 4.2.1.2) (Aerobic fumarase) (Iron-independent fumarase)
A6T5T5	1066.115 774	2320.231 567	0.002190 049	-2.17634109 3	Putative oxidoreductase
A6T6Q3	212.6125 158	459.2723 948	0.000425 951	-2.16013809 5	Glutamine ABC transporter ATP-binding component
A6TB23	145.3517 965	313.6254 654	0.000124 929	-2.15769927 2	Putative transcriptional regulator (N-terminal) putative sugar-binding domain of regulator protein (C-terminal)
A6TBX0	3221.687 52	6943.351 481	9.64966E -05	-2.15519085 5	NADH-quinone oxidoreductase subunit F (EC 7.1.1.-)
A6T9J1	28559.91 667	61056.07 096	3.08965E -05	-2.13782384 9	Osmotically inducible protein
A6T6W3	6188.038 981	13145.17 122	0.003666 788	-2.12428707 4	Putative lipoprotein
A6T985	2236.443 614	4749.926 514	0.004078 143	-2.12387492 6	Putative LysM domain
A6TAK0	1024.557 261	2166.532 471	9.06064E -05	-2.11460359 8	ATP-binding protein of oligopeptide ABC transport system
A6T9J2	4652.284 261	9814.132 243	0.000662 81	-2.10952979 1	Uncharacterized protein
A6TCJ6	81.62881 533	172.1842 69	0.003184 355	-2.10935646	Putative acyl-CoA synthetase, NAD(P)-binding, ATP-binding
A6TBJ3	788.1457 723	1660.557 353	5.82746E -05	-2.10691652 6	Putative ribitol dehydrogenase
A6TC86	3560.113 403	7457.930 583	0.000792 837	-2.09485759	Phosphate acetyltransferase
A6TEH2	14732.68 424	30825.25 846	0.000917 246	-2.09230429 1	Putative intracellular proteinase with catalase domain
A6T6N3	221.6283 417	462.9187 622	0.000941 941	-2.08871644 6	Putative DNase
A6TFE5	31.34723 616	64.09804 408	0.007537 258	-2.04477497 7	Cyclic di-GMP-binding protein (Cellulose synthase regulatory subunit)
A6TFZ5	295.8085 988	602.1584 625	0.000227 077	-2.03563542 4	Putative keto-hydroxyglutarate-aldolase/keto-deoxy-phosphogluconate aldolase
A6TG26	3374.244	6861.010	0.000536	-2.03334701	Putative xylanase

	751	498	137	7	
A6TBJ6	20340.71 257	41235.57 227	0.000755 203	-2.02724325 1	Fructose-bisphosphate aldolase
A6TBA1	123.6337 166	249.5209 427	0.004105 956	-2.01822730 5	Putative tellurite resistance protein
A6THT4	25066.12 598	50012.54 362	0.000626 947	-1.99522429 9	Putative aldehyde dehydrogenase
A6T6F1	815.0110 067	1617.827 881	0.000315 576	-1.98503807 6	Succinate dehydrogenase hydrophobic membrane anchor subunit
A6T5N9	147.4571 025	291.8757 451	0.001300 278	-1.97939428	Putative transport protein
A6TGD1	178.9157 753	353.4086 812	0.000586 188	-1.97527960 1	Putative 5'-nucleotidase/2',3'-cyclic phosphodiesterase
A6T4W7	15446.74 788	30430.16 048	0.001646 375	-1.97000434 7	UPF0325 protein KPN78578_01770
A6TB71	4889.762 085	9629.621 257	0.000116 763	-1.96934351 6	Cytoplasmic alpha-amylase
A6TFD1	228.3296 712	446.1723 124	0.000173 33	-1.95407066 5	C4-dicarboxylate transport protein
A6TEB4	1748.199 615	3390.218 363	0.005118 066	-1.93926273 3	3-hydroxy-5-phosphonooxypentane-2,4-dione thiolase (EC 2.3.1.245)
A6TAA0	1499.259 908	2865.611 776	0.002149 046	-1.91135090 1	Glyoxalase I, nickel isomerase
A6T990	1359.943 298	2599.144 124	0.006400 397	-1.91121506 9	Putative ABC transporter, nucleotide binding/ATPase protein
A6TBQ1	4026.009 521	7594.170 98	0.001212 338	-1.88627745 1	Mannonate dehydratase (EC 4.2.1.8) (D-mannonate hydro-lyase)
A6T5F2	15333.77 165	28873.83 138	0.000134 626	-1.88302213 2	Putative NAD(P)H-dependent xylose reductase
A6TBW7	1982.420 074	3704.614 136	0.000885 744	-1.86873316 3	NADH-quinone oxidoreductase subunit I (EC 7.1.1.-) (NADH dehydrogenase I subunit I) (NDH-1 subunit I)
A6TH97	1103.341 827	2046.652 364	0.000677 208	-1.85495765 1	Putative acyl coenzyme A dehydrogenase
A6TH49	11352.97 681	20653.83 984	0.001277 225	-1.81924443 2	Aspartate ammonia-lyase (Aspartase) (EC 4.3.1.1)
A6T5B4	9392.364 583	17037.14 144	0.002306 521	-1.81393527 6	Uncharacterized protein
A6TGE6	879.9280 294	1592.858 805	0.003486 841	-1.81021487 2	Soluble pyridine nucleotide transhydrogenase (STH) (EC 1.6.1.1) (NAD(P)(+) transhydrogenase [B-specific])
A6TDZ3	1937.296 977	3485.382 568	0.000145 695	-1.79909565 2	Thioredoxin-like_fold domain-containing protein
A6T4Q9	17667.61	31518.99	0.004549	-1.78399832	Dihydrolipoyl dehydrogenase (EC 1.8.1.4)

	589	707	027	1	
A6T4K6	4655.321 615	8286.571 37	0.002200 566	-1.78002124 4	Thiamine-binding periplasmic protein
A6T934	1327.870 229	2339.406 514	0.003442 831	-1.76177345	Methionine aminopeptidase (MAP) (MetAP) (EC 3.4.11.18) (Peptidase M)
A6T983	80.05611 674	140.3825 404	0.001544 734	-1.75355171	Phosphoglycerate transport: protein for signal transmission
A6T657	883.0059 102	1547.934 163	0.001894 611	-1.75302808 9	Putative 3-phytase
A6TD83	203.3855 464	356.2111 816	0.004244 165	-1.75140853 4	L-fucose isomerase (EC 5.3.1.25) (6-deoxy-L-galactose isomerase) (FucIase)
A6T7E7	2974.341 085	5189.463 094	0.005133 428	-1.74474377 6	Nucleoside triphosphate pyrophosphatase (EC 3.6.1.9) (Nucleotide pyrophosphatase) (Nucleotide PPase)
A6TC62	2906.024 984	5056.647 949	0.007165 893	-1.74005659 9	Thiosulfate binding protein
A6TEU9	3925.801 107	6824.661 214	0.006627 702	-1.73841237 2	30S ribosomal protein S4
A6TFM8	13559.51 782	23197.04 46	0.006974 547	-1.71075733 7	50S ribosomal protein L28
A6T7R0	2679.725 525	4565.314 819	0.003337 802	-1.70365016	Peptide methionine sulfoxide reductase MsrB (EC 1.8.4.12) (Peptide-methionine (R)-S-oxide reductase)
A6TF74	3583.575 765	6074.180 176	0.006809 292	-1.69500537 3	PanD regulatory factor
A6TA91	255.8735 453	431.8522 237	5.83924E -05	-1.68775643 9	Uncharacterized protein
A6THB9	572.3513 743	960.3821 818	0.000800 491	-1.67795907 4	Iron-sulfur cluster repair protein YtfE
A6TI04	595.7977 091	991.4749 552	0.007157 21	-1.66411340 6	Nicotinamide-nucleotide adenyltransferase
A6T6M4	593.1810 048	979.0462 85	0.000609 618	-1.65050174 7	Putative gluconeogenesis factor
A6TEI4	16688.10 791	27232.79 557	0.001589 838	-1.63186837 7	30S ribosomal protein S15
A6T4V3	442.6034 139	719.2852 58	0.004776 997	-1.62512361	Penicillin-binding protein 1B (PBP-1b) (PBP1b) (Murein polymerase)
A6TH82	489.9432 933	795.9974 874	0.000200 384	-1.62467268 8	Bifunctional NAD(P)H-hydrate repair enzyme (Nicotinamide nucleotide repair protein) [Includes: ADP-dependent (S)-NAD(P)H-hydrate dehydratase (EC 4.2.1.136) (ADP-dependent NAD(P)HX dehydratase); NAD(P)H-hydrate epimerase (EC 5.1.99.6)]

A6TGV6	3056.413 411	4964.338 786	0.001283 989	-1.62423668 4	Hemolysin
A6TGJ9	813.5304 972	1308.584 798	0.001193 085	-1.60852580 5	4HBT domain-containing protein
A6THH7	1490.785 278	2354.675 313	0.003493 821	-1.57948656 2	Regulator of ribonuclease activity B
A6TE34	807.8677 165	1257.511 78	0.007065 891	-1.55658129 9	SH3b domain-containing protein
A6T709	1154.209 503	1791.321 493	0.003362 451	-1.55198990 1	UPF0434 protein KPN78578_09190
A6TGQ5	924.5186 056	1423.003 092	0.005884 677	-1.53918275 3	Endonuclease V (EC 3.1.21.7) (Deoxyinosine 3'endonuclease) (Deoxyribonuclease V) (DNase V)
A6TEL4	366.0442 607	559.3687 744	0.006867 893	-1.52814518 5	Putative ATP-binding component of a transport system
A6TAG5	324.0645 396	487.5084 279	0.000938 422	-1.50435598	Putative oxidase
A6TD53	106336.2 292	70501.45 313	0.003712 353	1.50828421 9	Enolase (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase) (2-phosphoglycerate dehydratase)
A6TC99	9970.414 063	6587.941 895	1.8604E- 05	1.51343381 9	Phosphoribosylaminoimidazole-succinocarbox amide synthase (EC 6.3.2.6) (SAICAR synthetase)
A6T542	8200.245 28	5382.963 135	0.004318 557	1.52337013 5	KpLE2 phage-like element putative methyltransferase
A6T5B3	577.9232 432	378.9053 09	0.002382 881	1.52524451 2	Shikimate kinase 1 (SK 1) (EC 2.7.1.71)
A6T681	42822.86 719	27974.38 184	0.001747 313	1.53078868 5	Usp domain-containing protein
A6TAI3	14339.28 418	9311.282 308	0.000732 415	1.53999027 3	Phenylalanine--tRNA ligase alpha subunit (EC 6.1.1.20) (Phenylalanyl-tRNA synthetase alpha subunit) (PheRS)
A6TG00	16848.40 706	10813.87 093	0.006488 233	1.55803663 4	Conserved protein, phosphatase-like domain
A6TE03	156.1875 928	99.40290 07	0.003445 613	1.57125789 8	Cystathionine beta-lyase
A6TCH1	2355.651 449	1482.271 118	0.002156 716	1.58921766 7	Phosphoribosylformylglycinamide synthase (FGAM synthase) (FGAMS) (EC 6.3.5.3) (Formylglycinamide ribonucleotide amidotransferase) (FGAR amidotransferase) (FGAR-AT)
A6T9Y9	10077.85 246	6270.555 42	0.004634 115	1.60717062 3	Putative outer membrane lipoprotein
A6THT6	1841.625 854	1143.343 709	0.001528 54	1.61073685 8	Putative synthesis protein

A6T4X9	6737.579 183	4179.584 269	0.003717 057	1.61202137 6	Outer membrane protein assembly factor BamA
A6TB81	1114.321 788	685.4001 312	0.004787 73	1.62579745 3	HDc domain-containing protein
A6TG33	5127.953 044	3130.654 46	0.004509 351	1.63798116 6	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] (EC 2.6.1.16) (D-fructose-6-phosphate amidotransferase) (GFAT) (Glucosamine-6-phosphate synthase) (Hexosephosphate aminotransferase) (L-glutamine--D-fructose-6-phosphate amidotransferase)
A6TFD3	327.6047 211	198.5706 075	0.004946 148	1.64981477	Putative cellulose synthase
A6T5R4	4318.808 187	2575.568 136	0.001510 811	1.67683709 4	Bifunctional protein FoID [Includes: Methylenetetrahydrofolate dehydrogenase (EC 1.5.1.5); Methenyltetrahydrofolate cyclohydrolase (EC 3.5.4.9)]
A6T700	36691.76 432	21834.45 475	0.002486 051	1.68045251 1	Phosphoserine aminotransferase (EC 2.6.1.52) (Phosphohydroxythreonine aminotransferase) (PSAT)
A6TAZ8	13712.88 07	8105.602 132	0.000691 455	1.69177816 4	Putative transcriptional repressor (IcIR family)
A6TAP2	141.1382 332	82.76739 375	6.74169E -05	1.70523954 9	4-diphosphocytidyl-2-C-methyl-D-erythritol kinase (CMK) (EC 2.7.1.148) (4-(cytidine-5'-diphospho)-2-C-methyl-D-eryt hritol kinase)
A6T9Y8	302.0313 263	176.8129 845	0.006646 367	1.70819652 9	Anhydro-N-acetylmuramic acid kinase (EC 2.7.1.170) (AnhMurNAc kinase)
A6TB34	340.4289 958	197.2985 331	0.000866 566	1.72545122 6	dATP pyrophosphohydrolase
A6TDV5	1061.394 409	614.6960 449	0.000379 064	1.72669796 4	Ribosomal RNA small subunit methyltransferase E (EC 2.1.1.193)
A6T5D6	171.1158 295	98.66937 764	0.001136 575	1.73423440 5	Acyl carrier protein phosphodiesterase (ACP phosphodiesterase) (EC 3.1.4.14)
A6T6R6	714.8752 492	408.0521 8	0.007162 047	1.75192116 2	Putative ATP-binding component of a transport system
A6TAL7	282.3457 031	160.8899 638	0.005135 225	1.75489941 4	Nitrate reductase 1, delta subunit, assembly function
A6T7F5	4742.612 549	2690.724 467	0.005908 522	1.76257829 7	3-oxoacyl-[acyl-carrier-protein] synthase 2 (EC 2.3.1.179)
A6TF13	4724.755 575	2679.582 764	0.003537 817	1.76324300 9	3-dehydroquinate synthase (DHQS) (EC 4.2.3.4)
A6TCG5	36583.76 725	20739.57 552	0.001227 187	1.76395930 6	Serine hydroxymethyltransferase (SHMT) (Serine methylase) (EC 2.1.2.1)

A6TG24	3676.160 726	2083.133 382	0.003632 737	1.76472652 1	Putative enzyme with a phosphatase-like domain
A6TFB8	754.0126 343	426.9939 117	0.000156 841	1.76586272 9	Ribosomal RNA large subunit methyltransferase J (EC 2.1.1.266) (23S rRNA (adenine(2030)-N6)-methyltransferase) (23S rRNA m6A2030 methyltransferase)
A6TEZ8	1881.313 253	1052.086 416	0.000607 416	1.78817369 5	Acetylornithine/succinyldiaminopimelate aminotransferase (ACOAT) (DapATase) (Succinyldiaminopimelate transferase) (EC 2.6.1.11) (EC 2.6.1.17)
A6TGJ2	575.0149 689	321.3803 406	0.004058 78	1.78920393 2	Diaminopimelate epimerase (DAP epimerase) (EC 5.1.1.7) (PLP-independent amino acid racemase)
A6TEK8	7035.055 013	3854.837 565	0.000873 186	1.82499389 3	UDP-N-acetylglucosamine 1-carboxyvinyltransferase (EC 2.5.1.7) (Enoylpyruvate transferase) (UDP-N-acetylglucosamine enolpyruvyl transferase) (EPT)
A6T9D7	136.8451 78	74.88078 69	0.004356 52	1.82750721	3-oxoacyl-[acyl-carrier-protein] synthase 2 (EC 2.3.1.179)
A6T6D1	2544.112 793	1391.596 486	0.003982 264	1.82819719 5	Putative enzyme
A6TCW1	7586.542 562	4142.671 387	0.000120 614	1.83131652 3	Protein RecA (Recombinase A)
A6TG74	6502.999 023	3513.222 778	0.000479 161	1.85100673 5	50S ribosomal subunit assembly factor BipA (EC 3.6.5.-) (GTP-binding protein BipA)
A6TBM6	116.6995 023	62.25359 662	0.004966 769	1.87458249 2	Putative transcriptional antiterminator
A6THH8	569.0574 443	302.1272 481	0.001540 981	1.88350255 7	Hydroxylase for synthesis of 2-methylthio-cis-ribozeatin in tRNA
A6TFK1	2598.744 71	1374.198 181	0.000165 218	1.89109893	tRNA (cytidine(34)-2'-O)-methyltransferase (EC 2.1.1.207) (tRNA (cytidine/uridine-2'-O)-methyltransferase TrmL)
A6TGR3	5202.484 294	2750.237 671	0.000106 903	1.89164898 3	Bifunctional purine biosynthesis protein PurH [Includes: Phosphoribosylaminoimidazolecarboxamide formyltransferase (EC 2.1.2.3) (AICAR transformylase); IMP cyclohydrolase (EC 3.5.4.10) (ATIC) (IMP synthase) (Inosinicase)]
A6TC58	1333.515 218	703.6981 913	0.000921 832	1.89501015 4	Cysteine synthase (EC 2.5.1.47)
A6TFY8	154.6785 609	81.56639 671	0.006490 891	1.89635152 6	Putative DNA-damage-inducible protein

A6T9G3	3137.676 351	1641.337 077	0.000879 463	1.91165872 9	8-amino-7-oxononanoate synthase
A6T9G2	5752.312 215	3005.349 65	0.005003 276	1.91402428 5	Putative pyridoxal-dependent decarboxylase
A6TB42	2050.675 395	1067.568 136	7.24315E -05	1.92088479 1	Uncharacterized protein
A6T732	393.0809 835	204.2859 344	0.000429 073	1.92417057 3	Nicotinate phosphoribosyltransferase (NAPRTase) (EC 6.3.4.21)
A6TFX2	2288.329 976	1186.029 765	0.000423 074	1.92940349 8	Acetolactate synthase (EC 2.2.1.6)
A6T4S9	13839.68 424	7165.499 756	0.000569 478	1.93143321 7	Pantothenate synthetase (PS) (EC 6.3.2.1) (Pantoate--beta-alanine ligase) (Pantoate-activating enzyme)
A6TCA5	5704.241 252	2945.430 827	0.001718 532	1.93664071 1	Beta-barrel assembly-enhancing protease (EC 3.4.-.-)
A6TDK7	134.7814 166	69.35014 153	0.003644 499	1.94349158 6	DUF1471 domain-containing protein
A6TF69	47.19294 707	24.15677 15	0.000507 504	1.95361151 9	High-affinity branched-chain amino acid transport ATP-binding protein
A6TCV8	8872.503 337	4515.519 165	0.006044 932	1.96489108 2	Translational regulator CsrA (Carbon storage regulator)
A6T5V2	894.3034 465	454.5227 305	0.001820 33	1.96756594 6	Aminobenzoyl-glutamate utilization protein
A6T691	212.1148 936	107.7700 742	0.006801 087	1.96821701 3	Octanoyltransferase (EC 2.3.1.181) (Lipoate-protein ligase B) (Lipoyl/octanoyl transferase) (Octanoyl-[acyl-carrier-protein]-protein N-octanoyltransferase)
A6T6W8	2047.034 017	1036.034 21	2.64982E -05	1.97583631 6	L-allo-threonine aldolase, PLP-dependent
A6TDJ3	626.1694 082	316.6846 39	0.000747 348	1.97726485 9	Translocation protein TolB
A6TCK2	573.4323 018	289.6223 806	0.000564 051	1.97993090 4	Pseudouridine synthase (EC 5.4.99.-)
A6TFL2	12447.80 518	6284.283 366	7.06099E -06	1.98078356	L-threonine 3-dehydrogenase (TDH) (EC 1.1.1.103)
A6T5X7	1351.426 117	676.0491 587	0.002634 18	1.99900569 3	Putative inner membrane protein
A6T6B5	477.0660 553	238.0061 493	0.002768 517	2.00442743 5	tRNA-2-methylthio-N(6)-dimethylallyladenosine synthase (EC 2.8.4.3) ((Dimethylallyl)adenosine tRNA methylthiotransferase MiaB) (tRNA-i(6)A37 methylthiotransferase)
A6T9X1	76.67619	38.13108	0.000529	2.01085763	Beta-glucosidase (EC 3.2.1.21)

	069	857	038	8	
A6T687	1679.144 399	828.2223 612	0.001627 207	2.02740770 8	Putative NAD(P)-binding amidase-type enzyme (C-N hydrolase family)
A6TAH1	181.8023 961	87.88294 665	0.003394 679	2.06868798 9	Protein adenylyltransferase SelO (EC 2.7.7.-) (EC 2.7.7.n1)
A6TEA1	3714.619 751	1792.967 651	0.000426 073	2.07177176 2	Uncharacterized protein
A6THE5	593.6030 68	286.4872 437	0.004526 017	2.07200523 3	Putative acyltransferase domain
A6TA14	9298.779 215	4472.650 594	0.001262 474	2.07903099 5	Cytokinin riboside 5'-monophosphate phosphoribohydrolase (EC 3.2.2.n1)
A6TGY6	133.4147 58	63.94839 032	0.000984 677	2.08628798	Uncharacterized protein
A6TFA8	233.1289 342	111.0812 047	0.001108 155	2.09872529 5	Nickel-responsive regulator
A6TH93	15289.35 726	7235.970 785	0.000102 608	2.11296558 7	Adenylosuccinate synthetase (AMPSase) (AdSS) (EC 6.3.4.4) (IMP--aspartate ligase)
A6T4G2	4507.922 282	2126.912 191	0.002667 771	2.11946797 9	Peptidyl-prolyl cis-trans isomerase (EC 5.2.1.8)
A6TAW5	1452.421 682	683.7635 193	0.000853 841	2.12415790 1	Putative sporulation protein
A6TGS0	996.8960 266	466.4630 178	0.000122 521	2.13713839 8	Methionine synthase (EC 2.1.1.13) (5-methyltetrahydrofolate--homocysteine methyltransferase)
A6TBF9	2918.584 066	1364.544 81	0.000615 984	2.13887007 9	CPS export-outer membrane protein
A6TEN7	51666.97 526	23909.23 828	0.000735 392	2.16096283 2	Stringent starvation protein A
A6T9P8	8117.420 166	3678.578 288	0.002672 288	2.20667321 2	Putative enzyme
A6TGN0	1574.196 299	712.9044 291	0.004347 652	2.20814492 8	Bifunctional ligase/repressor BirA (Biotin operon repressor) (Biotin--[acetyl-CoA-carboxylase] ligase) (EC 6.3.4.15) (Biotin--protein ligase) (Biotin-[acetyl-CoA carboxylase] synthetase)
A6TI12	72.87749 863	32.99748 739	0.000610 28	2.20857721	Catabolic regulation response regulator
A6TCL6	5072.317 83	2284.579 956	0.001195 703	2.22024088 8	Ribosome maturation factor RimM
A6TF59	370.0834 503	166.4801 254	0.003033 369	2.22298877 6	Putative acyltransferase
A6TCT8	688.5366 262	308.3067 245	0.003192 355	2.23328449	CMD domain-containing protein
A6TD79	1243.208	553.7942	0.002749	2.24489185	Flap endonuclease Xni (FEN) (EC 3.1.-.-)

	303	963	378	1	
A6TI00	431.8451 284	192.0098 203	8.09361E -05	2.24907834 2	Lipoate-protein ligase A (EC 6.3.1.20) (Lipoate--protein ligase)
A6T7H9	1549.660 299	684.6688 843	0.000142 251	2.26337187 8	NAD-dependent protein deacylase (EC 2.3.1.286) (Regulatory protein SIR2 homolog)
A6TF54	478.7721 202	210.3888 257	0.001537 038	2.27565375	Gluconokinase (EC 2.7.1.12)
A6T5J4	348.6068 344	153.1355 26	0.004226 26	2.27645957 5	Nitrogen regulatory protein P-II 2
A6T9W2	6393.729 167	2796.497 294	0.000879 053	2.28633483	S-(hydroxymethyl)glutathione dehydrogenase (EC 1.1.1.284)
A6TGR1	119.6540 769	52.10870 806	0.000765 088	2.29623956	Response regulator in two-component regulatory system with ZraS, regulates zraP expression (EBP family)
A6TCW0	320.8093 363	139.2529 233	0.000501 735	2.30378888 1	Regulatory protein RecX
A6T7G7	10451.47 632	4520.798 828	0.002835 221	2.31186494 2	UPF0227 protein KPN78578_10770
A6TDZ0	982.1322 53	423.5612 59	0.000259 86	2.31874901 7	Putative aminotransferase
A6T4Q1	861.0907 491	364.7222 036	0.001018 585	2.36094962 3	N-acetyl-anhydromuramyl-L-alanine amidase
A6TAZ3	338.5092 799	142.7548 498	0.005358 752	2.37126290 6	23S rRNA m1G745 methyltransferase
A6T4R9	203.2165 476	85.37659 645	0.000214 624	2.38023716 2	Uncharacterized protein
A6TG82	6077.611 165	2545.793 803	0.000337 775	2.38731477 7	Protein FdhE homolog
A6TEZ0	97.48102 951	40.67376 01	0.000748 883	2.39665645 1	Glutathione-regulated potassium-efflux system ancillary protein KefG (Putative quinone oxidoreductase KefG) (EC 1.6.5.2)
A6T5F9	407.0889 206	169.4433 746	0.000549 607	2.40250715 9	2-dehydropantoate 2-reductase (EC 1.1.1.169) (Ketopantoate reductase)
A6TCV3	37965.54 232	15802.02 458	0.003121 303	2.40257456 5	AI-2 synthesis protein (EC 4.4.1.21) (Autoinducer-2 production protein LuxS) (S-ribosylhomocysteine lyase)
A6T9B3	3289.647 542	1366.609 304	0.000739 057	2.40716021 3	Putative ABC-type spermidine/putrescine transport systems
A6T634	451.4305 827	187.5340 703	0.001345 437	2.40719236 7	ATP-dependent serine activating enzyme
A6T9B6	448.6913 605	184.6575 317	2.01272E -05	2.42985680 7	Putative oxidoreductase
A6T6V6	420.2250 926	172.3594 004	0.000508 933	2.43807469 5	Putative positive response regulator

A6TAG9	1392.734 863	571.0005 747	0.001337 393	2.43911289 2	Phospho-2-dehydro-3-deoxyheptonate aldolase (EC 2.5.1.54)
A6T938	237.8312 62	97.43731 181	0.005070 556	2.44086436 2	Putative oxidoreductase, Fe-S subunit
A6TDG7	179.1019 211	73.26571 655	0.000126 008	2.44455291 7	DNA mismatch repair protein MutH (Methyl-directed mismatch repair protein)
A6T7X8	2017.166 3	807.4307 658	5.33982E -06	2.49825296	Corrinoid adenosyltransferase (EC 2.5.1.17) (Cob(II)alamin adenosyltransferase) (Cob(II)yrinic acid a,c-diamide adenosyltransferase)
A6T650	84.55237 77	33.51043 669	0.000390 605	2.52316549 8	Putative alcohol dehydrogenase
A6T5N8	257.9175 339	100.7268 461	0.001214 568	2.56056398	Inosine-guanosine kinase
A6TAI9	345.3778 203	133.2687 925	0.001703 809	2.59158812 8	Uncharacterized protein
A6THW8	322.9018 834	123.8256 938	0.001646 727	2.60771309 8	Putative glucosamine-fructose-6-phosphate aminotransferase
A6TGW1	404.8879 547	154.5225 703	0.000136 14	2.62025122 9	Alanine racemase (EC 5.1.1.1)
A6TE91	160.5808 512	61.25460 243	0.001646 764	2.62153119 7	Putative bacterial regulatory protein, LuxR
A6TE24	3242.113 932	1233.535 329	0.005085 637	2.62831056	Outer membrane channel protein
A6TD16	330.8022 461	125.2643 178	0.001617 066	2.64083381 3	Uncharacterized protein
A6TCF1	6700.965 169	2513.982 992	0.001732 2	2.66547752 8	Cysteine desulfurase IscS (EC 2.8.1.7)
A6TEJ6	3045.470 846	1139.552 46	0.000523 568	2.67251482 8	Dihydropteroate synthase (DHPS) (EC 2.5.1.15) (Dihydropteroate pyrophosphorylase)
A6THV5	332.6821 213	124.0857 061	0.000476 581	2.68106723 8	Amidohydro_3 domain-containing protein
A6THQ9	1102.727 376	409.3354 034	2.69058E -05	2.69394576 4	JmjC domain-containing protein
A6T7W7	2558.651 815	948.0055 135	0.002426 26	2.69898410 7	Multifunctional fusion protein [Includes: Indole-3-glycerol phosphate synthase (IGPS) (EC 4.1.1.48); N-(5'-phosphoribosyl)anthranilate isomerase (PRAI) (EC 5.3.1.24)]
A6TGM2	2282.706 685	842.4933 065	0.001103 174	2.70946566 3	NAD(P)H-flavin reductase
A6TDR0	320.3047 638	115.8577 983	0.001217 452	2.76463706 9	Suppression of copper sensitivity protein

A6TCY5	284.6517 779	102.9547 259	0.005233 034	2.76482478 5	Processing of HycE (Part of the FHL complex)
A6T9V3	567.8380 992	205.2613 068	0.003687 556	2.76641568 8	Acetyl transferase
A6TEZ9	278.1350 784	100.4185 893	0.001535 629	2.76975687 9	Para-aminobenzoate synthase component II
A6TAU0	13913.73 901	5015.595 296	0.006077 161	2.77409523 5	Phosphoenolpyruvate carboxykinase (ATP) (PCK) (PEP carboxykinase) (PEPCK) (EC 4.1.1.49)
A6TGB0	6431.827 881	2299.401 821	0.001648 561	2.79717438 8	HTH-type transcriptional activator RhaR (L-rhamnose operon transcriptional activator RhaR)
A6T5D7	1569.634 155	560.0107 625	0.000202 938	2.80286426 7	S-adenosylmethionine:tRNA ribosyltransferase-isomerase (EC 2.4.99.17) (Queuosine biosynthesis protein QueA)
A6T4J6	283.9911 245	101.3051 758	0.000139 984	2.80332295 2	Pseudouridine synthase (EC 5.4.99.-)
A6TBE0	15884.24 674	5611.393 595	0.000840 999	2.83071334 7	UDP-glucose 6-dehydrogenase (EC 1.1.1.22)
A6T643	2367.299 011	826.5857 239	0.006179 392	2.86394858 1	2,3-dihydroxybenzoate-2,3-dehydrogenase
A6TBB0	202.2939 072	70.39679 782	2.58612E -05	2.87362370 8	Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (NN:DBI PRT) (EC 2.4.2.21) (N(1)-alpha-phosphoribosyltransferase)
A6T641	2120.572 795	715.9991 353	0.000494 372	2.96169742 4	2,3-dihydroxybenzoate-AMP ligase
A6TDG3	3202.219 401	1077.152 496	0.000425 603	2.97285612 9	Thymidylate synthase (TS) (TSase) (EC 2.1.1.45)
A6TFG0	311.4278 183	103.5860 774	0.002047 34	3.00646405 6	Putative acetyltransferase
A6T8P3	365.2635 244	120.4284 96	5.12859E -07	3.03303235	Aminobenzoyl-glutamate utilization protein
A6T6Q8	23048.27 686	7501.294 84	0.000254 085	3.07257311 5	Outer membrane protein X
A6TFZ0	5512.533 02	1775.988 485	0.003252 481	3.10392385 3	Small heat shock protein IbpA (16 kDa heat shock protein A)
A6TBJ7	836.7909 8	267.3553 645	0.005214 702	3.12988288 7	Phosphomethylpyrimidine kinase
A6T5Z8	159.1489 067	50.78219 318	0.000221 759	3.13395103 1	Putative amidohydrolase
A6T7W1	356.0413 818	113.1379 903	0.000239 847	3.14696576 1	PKHD-type hydroxylase KPN78578_12210 (EC 1.14.11.-)
A6TBN1	9685.982	3069.780	0.001056	3.15526934	Cytidine deaminase (EC 3.5.4.5) (Cytidine

	829	029	035	7	aminohydrolase) (CDA)
A6TDB7	671.8189 952	212.1896 426	0.002480 144	3.16612529 7	Sirohydrochlorin cobaltochelata (EC 4.99.1.3)
A6TBG2	34287.36 849	10689.48 625	4.69859E -05	3.20757870 8	Alpha-D-glucosyl-1-phosphate uridylyltransferase (EC 2.7.7.9) (UDP-glucose pyrophosphorylase) (UTP--glucose-1-phosphate uridylyltransferase) (Uridine diphosphoglucose pyrophosphorylase)
A6TET5	749.5456 645	233.2724 304	0.002551 16	3.21317724 1	Shikimate dehydrogenase (NADP(+)) (SDH) (EC 1.1.1.25)
A6THW9	2094.026 917	643.6664 734	0.000184 967	3.25327945 9	Putative glucosamine-fructose-6-phosphate aminotransferase
A6TFS6	1062.847 239	326.3793 259	6.68888E -06	3.25647844 4	Putative beta-lactamase-like protein
A6TFJ4	22456.79 281	6889.357 585	0.000539 941	3.25963524 6	Mannitol-1-phosphate 5-dehydrogenase (EC 1.1.1.17)
A6THA5	262.8914 235	79.39582 443	0.004123 91	3.311149238	Putative PTS family enzyme IIA component, possibly ascorbate-specific
A6TC67	201.1863 848	60.45863 469	0.001398 188	3.32766999 9	N-acetylmuramoyl-L-alanine amidase (EC 3.5.1.28)
A6TFF9	348.2150 04	103.0053 978	0.004031 895	3.38055103 3	3-methyl-adenine DNA glycosylase I, constitutive
A6T513	153.4078 382	44.24314 308	4.39448E -06	3.46738110 1	DNA polymerase III subunit epsilon (EC 2.7.7.7)
A6TAL2	372.0140 432	107.0969 051	0.002932 264	3.47362085 7	Uncharacterized protein
A6T9C1	157.6902 377	44.49764 951	0.001340 43	3.54378803	Putative peptidase
A6TBJ8	9993.640 951	2763.659 098	0.000827 739	3.61609033 4	Hydroxyethylthiazole kinase (EC 2.7.1.50) (4-methyl-5-beta-hydroxyethylthiazole kinase) (TH kinase) (Thz kinase)
A6TFJ3	5010.329 834	1375.359 599	0.000115 781	3.64292352 2	EIICBA-Mtl (EC 2.7.1.197) (Mannitol permease IIC component) (Mannitol-specific phosphotransferase enzyme IIB component) (PTS system mannitol-specific EIIB component) (PTS system mannitol-specific EIIC component) (PTS system mannitol-specific EIICBA component)
A6T632	221.8847 809	58.78930 728	0.004197 354	3.77423703 7	Enterochelin esterase
A6T9X2	539.0695 318	141.2615 687	0.006787 213	3.81610891 6	Uncharacterized protein
A6T6H3	2338.664	609.5215	3.45312E	3.83688607	Phospho-2-dehydro-3-deoxyheptonate

	653	251	-06	6	aldolase (EC 2.5.1.54)
A6TE93	21195.33 219	5341.856 445	0.001154 875	3.96778393 6	Uncharacterized protein
A6TC28	724.0544 179	178.9547 691	0.005132 098	4.04601912 2	Putative adenosine deaminase
A6TE95	2021.422 017	491.5499 7	0.000182 204	4.11234287 6	Acid stress chaperone HdeB
A6TG92	171.5921 288	41.10475 477	0.002208 081	4.17450802 8	Putative PTS family enzyme IIA component
A6T640	227.4615 199	54.15672 175	0.002654 37	4.20006072 2	Isochorismate synthase (EC 5.4.4.2)
A6T642	5959.077 962	1417.272 207	0.002157 751	4.20461075 5	Isochorismatase (EC 3.3.2.1)
A6TGQ0	5315.279 622	1233.486 979	0.001923 339	4.30914935 6	Thiamine-phosphate synthase (TP synthase) (TPS) (EC 2.5.1.3) (Thiamine-phosphate pyrophosphorylase) (TMP pyrophosphorylase) (TMP-PPase)
A6T599	493.5971 578	104.7177 264	0.000551 45	4.71359697	Hypothetical isochorismatase family protein
A6T957	247.3366 674	52.07057 826	1.9431E- 05	4.75002728 3	Putative glyoxalase/bleomycin resistance protein/dioxygenase
A6TE27	290.3518 372	55.75178 305	0.001505 023	5.20793813 7	Putative enzyme with dioxygenase domain
A6T936	301.8901 749	57.93487 581	0.001613 906	5.21085392 3	Uncharacterized protein
A6T7W2	133.5743 701	25.52903 112	0.003170 74	5.2322538	Outer membrane porin protein, putative ferrisiderophore receptor
A6TGP8	440.7528 33	79.89605 776	0.000624 79	5.51657798 1	Sulfur carrier protein ThiS
A6T5Y0	355.8581 67	63.92351 723	0.002062 187	5.56693659	Putative transport protein, PTS system
A6T8X5	1664.665 853	296.0740 204	7.87421E -06	5.62246512 1	Putative methionine synthase
A6TD18	760.3741 252	131.1488 673	8.71903E -05	5.79779407 1	S-adenosylmethionine-dependent methyltransferase
A6TEF8	158.9988 588	27.01142 263	0.000575 328	5.88635633 6	D-tagatose-1,6-bisphosphate aldolase subunit GatZ
A6TGG3	91.02889 252	14.42286 563	0.000483 244	6.31142900 8	Peptidyl-prolyl cis-trans isomerase C (Rotamase C)
A6T509	399.2935 486	60.26164 489	0.000403 675	6.62599816 7	Peptidoglycan lytic exotransglycosylase (EC 4.2.2.n1)
A6TGP9	200.4467 761	28.88092 136	0.000422 905	6.94045641 9	Thiamine biosynthesis protein ThiF
A6T7H3	37885.40	5091.804	0.006890	7.44046712	Putative enzyme

	568	728	519	4	
A6TA32	461.8237 305	59.95907 72	8.13778E -05	7.70231551 3	Uncharacterized protein
A6TD19	1508.509 226	182.6549 555	0.000584 613	8.25879167 6	Vitamin B12-transporter protein BtuF
A6T759	0	182.5660 731	0.000681 555	#NUM!	Putative cell surface SD repeat protein
A6T8I1	0	193.0906 41	0.000640 839	#NUM!	Phenylacetic acid degradation protein
A6T8R5	0	218.7119 249	0.003638 412	#NUM!	Uncharacterized protein
A6T905	0	71.71671 391	0.005980 196	#NUM!	Putative carboxymuconolactone decarboxylase
A6T955	0	74.69465 764	2.87149E -07	#NUM!	Acetate CoA-transferase YdiF (EC 2.8.3.8)
A6TA94	0	53.15765 561	0.002283 876	#NUM!	Putative inner membrane permease of ABC transporter
A6TAH8	0	47.33659 967	0.000731 229	#NUM!	Putative LysR family transcriptional regulator
A6TAS2	0	43.53681 119	0.003453 415	#NUM!	Uncharacterized protein
A6TBF6	0	205.9806 76	7.97958E -05	#NUM!	UDP-Gal::undecaprenolphosphate Gal-1-P transferase
A6TBM0	65.33179 824	0	0.003130 742	#NUM!	D-alanyl-D-alanine endopeptidase penicillin-binding proteins 7 and 8
A6TBZ3	0	52.38559 405	0.000582 848	#NUM!	Histidine and lysine/arginine/ornithine transport protein (ABC superfamily, membrane)
A6TGF6	13.16477 338	0	0.003397 7	#NUM!	Acetolactate synthase II, small subunit
A6THM6	27.73391 008	0	0.001834 83	#NUM!	Helicase C-terminal domain-containing protein
A6THU1	0	38.29845 004	0.001856 846	#NUM!	4-HPA 3-monooxygenase small component (EC 1.5.1.36) (4-hydroxyphenylacetate 3-monooxygenase reductase component) (Flavin:NADH reductase)
A6THY9	64.78165 584	0	0.006376 456	#NUM!	Nucleotidase
A6TI21	0	90.38598 431	0.003681 527	#NUM!	Endonuclease
A6TI56	0	9209.343 994	2.85971E -07	#NUM!	Molecular chaperone (Small heat shock protein)
A6TI74	0	116.8030 446	6.55803E -05	#NUM!	Uncharacterized protein

A6TI78	0	110.2033 443	0.001446 109	#NUM!	Arsenical pump-driving ATPase (EC 7.3.2.7)
A6TI91	0	317.7624 758	0.003566 164	#NUM!	Probable copper-binding protein
A6TIB4	0	237.4441 783	0.000238 106	#NUM!	Secondary glycine betaine transporter BetU
A6TIC0	0	78.64310 063	0.005332 016	#NUM!	Uncharacterized protein
A6TIL5	0	11301.30 306	0.005004 319	#NUM!	Putative aminoglycoside N(6')-acetyltransferase (Amikacin resistance protein) (AAC(6'))
A6TIY6	0	1167.240 341	0.002404 829	#NUM!	Aminoglycoside 3'-phosphotransferase (EC 2.7.1.95)
A6TIZ0	0	1494.757 019	0.006720 861	#NUM!	Dihydropteroate synthase (DHPS) (EC 2.5.1.15) (Dihydropteroate pyrophosphorylase)
A6TJ34	0	119.8610 934	0.004089 052	#NUM!	Mediator of plasmid stability

Raw Table S6. GO enrichment analysis of differentially expressed proteins between the cKp group and the hvKp group (biological processes). The raw table S6 is associated in accompanying legends and captions with definitive Figure 4A.

GO.ID	GO.Name	Level	FDR	P.Value	Nr.Test
GO:0009056	catabolic process	2	0.000419718	2.04824E-06	61
GO:0044281	small molecule metabolic process	2	0.000530953	2.85264E-06	129
GO:0071704	organic substance metabolic process	2	0.000669751	4.928E-06	198
GO:0019748	secondary metabolic process	2	0.000669751	4.94679E-06	11
GO:0044237	cellular metabolic process	2	0.001056738	8.16511E-06	195
GO:0065008	regulation of biological quality	2	0.006908686	8.28818E-05	25
GO:0044238	primary metabolic process	2	0.08770157	0.001908107	152
GO:0006807	nitrogen compound metabolic process	2	0.15561687	0.003638865	139
GO:0006950	response to stress	2	0.377997981	0.014295979	25
GO:0042330	taxis	2	0.490050053	0.021822074	2
GO:0065009	regulation of molecular function	2	0.704920865	0.034584957	7

Raw Table S7. GO enrichment analysis of differentially expressed proteins between the cKp group and the hvKp group (molecular functions). The raw table S7 is associated in accompanying legends and captions with definitive Figure 4B.

GO.ID	GO.Name	Level	FDR	P.Value	Nr.Test
GO:0016491	oxidoreductase activity	2	0.004549516	5.18042E-05	77
GO:0016829	lyase activity	2	0.008154704	0.000102804	47
GO:0043167	ion binding	2	0.06905545	0.001384594	135
GO:0016740	transferase activity	2	0.087132676	0.001878012	109
GO:0048037	cofactor binding	2	0.349798643	0.012518211	46
GO:0019808	polyamine binding	2	0.490050053	0.021822074	2
GO:0036094	small molecule binding	2	0.732148174	0.040392128	85
GO:0016787	hydrolase activity	2	0.732148174	0.042981142	94
GO:0016874	ligase activity	2	0.732148174	0.044946145	17

Raw Table S8. KEGG enrichment analysis of differentially expressed proteins between the cKp group and the hvKp group. The raw table S8 is associated in accompanying legends and captions with definitive Figure 5.

Pathway.Description	Pathway .ID	tier1	tier2	Input.number	P.Value
Metabolic pathways	eco01100	Metabolism	Global and overview maps	153	3.33668E-09
Microbial metabolism in diverse environments	eco01120	Metabolism	Global and overview maps	62	2.0561E-07
Biosynthesis of antibiotics	eco01130	Metabolism	Global and overview maps	49	4.98205E-05
Alanine, aspartate and glutamate metabolism	eco00250	Metabolism	Amino acid metabolism	15	5.73246E-05
Lysine degradation	eco00310	Metabolism	Amino acid metabolism	11	0.000105266
Butanoate metabolism	eco00650	Metabolism	Carbohydrate metabolism	16	0.000152399
beta-Alanine metabolism	eco00410	Metabolism	Metabolism of other amino acids	8	0.000177446
Valine, leucine and isoleucine degradation	eco00280	Metabolism	Amino acid metabolism	7	0.000822479
Geraniol degradation	eco00281	Metabolism	Metabolism of terpenoids and polyketides	5	0.000942501
Phenylalanine metabolism	eco00360	Metabolism	Amino acid metabolism	13	0.000980206
Bacterial chemotaxis	eco02030	Cellular Processes	Cell motility	7	0.001622392
Biosynthesis of secondary metabolites	eco01110	Metabolism	Global and overview maps	52	0.0019747
Benzoate degradation	eco00362	Metabolism	Xenobiotics biodegradation and metabolism	7	0.002200338
Biosynthesis of	eco0105	Metabolism	Metabolism of	5	0.002548

siderophore group nonribosomal peptides	3		terpenoids and polyketides		385
Nicotinate and nicotinamide metabolism	eco00760	Metabolism	Metabolism of cofactors and vitamins	9	0.002784568
Fatty acid degradation	eco00071	Metabolism	Lipid metabolism	8	0.003723133
Fatty acid metabolism	eco01212	Metabolism	Global and overview maps	10	0.005194095
Tryptophan metabolism	eco00380	Metabolism	Amino acid metabolism	5	0.007721112
Carbon metabolism	eco01200	Metabolism	Global and overview maps	22	0.008494585
Biosynthesis of amino acids	eco01230	Metabolism	Global and overview maps	24	0.01276696
Arginine and proline metabolism	eco00330	Metabolism	Amino acid metabolism	9	0.013665587
One carbon pool by folate	eco00670	Metabolism	Metabolism of cofactors and vitamins	5	0.027535502
Propanoate metabolism	eco00640	Metabolism	Carbohydrate metabolism	9	0.033792431
Thiamine metabolism	eco00730	Metabolism	Metabolism of cofactors and vitamins	5	0.047983219
Pantothenate and CoA biosynthesis	eco00770	Metabolism	Metabolism of cofactors and vitamins	6	0.052225373
ABC transporters	eco02010	Environmental Information Processing	Membrane transport	41	0.052931257
Glyoxylate and dicarboxylate metabolism	eco00630	Metabolism	Carbohydrate metabolism	8	0.053066665
Phenylalanine, tyrosine and tryptophan biosynthesis	eco00400	Metabolism	Amino acid metabolism	6	0.067703734
Quorum sensing	eco0202	Cellular	Cellular	14	0.070756

	4	Processes	community - prokaryotes		683
Methane metabolism	eco00680	Metabolism	Energy metabolism	6	0.128241501
Tyrosine metabolism	eco00350	Metabolism	Amino acid metabolism	4	0.142525445
Glycolysis / Gluconeogenesis	eco00010	Metabolism	Carbohydrate metabolism	10	0.152199776
2-Oxocarboxylic acid metabolism	eco01210	Metabolism	Global and overview maps	6	0.165796189
Purine metabolism	eco00230	Metabolism	Nucleotide metabolism	10	0.170786619
Folate biosynthesis	eco00790	Metabolism	Metabolism of cofactors and vitamins	5	0.180561259
Citrate cycle (TCA cycle)	eco00020	Metabolism	Carbohydrate metabolism	5	0.180561259
Biotin metabolism	eco00780	Metabolism	Metabolism of cofactors and vitamins	4	0.196299404
Cyanoamino acid metabolism	eco00460	Metabolism	Metabolism of other amino acids	2	0.22164444
Galactose metabolism	eco00052	Metabolism	Carbohydrate metabolism	5	0.229385982
C5-Branched dibasic acid metabolism	eco00660	Metabolism	Carbohydrate metabolism	3	0.236176845
Pentose phosphate pathway	eco00030	Metabolism	Carbohydrate metabolism	6	0.252248832
Aminobenzoate degradation	eco00627	Metabolism	Xenobiotics biodegradation and metabolism	2	0.255919773
Arginine biosynthesis	eco00220	Metabolism	Amino acid metabolism	3	0.260940053
Fructose and mannose metabolism	eco00051	Metabolism	Carbohydrate metabolism	8	0.268931976
Fatty acid biosynthesis	eco00061	Metabolism	Lipid metabolism	4	0.275500609
beta-Lactam resistance	eco01501	Human Diseases	Drug resistance:	4	0.275500609

			Antimicrobial		
Pyruvate metabolism	eco00620	Metabolism	Carbohydrate metabolism	8	0.309039254
Sulfur relay system	eco04122	Genetic Information Processing	Folding, sorting and degradation	3	0.336575752
Nitrogen metabolism	eco00910	Metabolism	Energy metabolism	3	0.361835304
Ascorbate and aldarate metabolism	eco00053	Metabolism	Carbohydrate metabolism	3	0.361835304
Pentose and glucuronate interconversions	eco00040	Metabolism	Carbohydrate metabolism	4	0.379795368
Amino sugar and nucleotide sugar metabolism	eco00520	Metabolism	Carbohydrate metabolism	7	0.387449358
Cysteine and methionine metabolism	eco00270	Metabolism	Amino acid metabolism	5	0.390477091
Valine, leucine and isoleucine biosynthesis	eco00290	Metabolism	Amino acid metabolism	3	0.411810026
Lysine biosynthesis	eco00300	Metabolism	Amino acid metabolism	2	0.423499272
Base excision repair	eco03410	Genetic Information Processing	Replication and repair	2	0.423499272
Taurine and hypotaurine metabolism	eco00430	Metabolism	Metabolism of other amino acids	1	0.428648978
Dioxin degradation	eco00621	Metabolism	Xenobiotics biodegradation and metabolism	1	0.428648978
Xylene degradation	eco00622	Metabolism	Xenobiotics biodegradation and metabolism	1	0.428648978
Porphyrin and chlorophyll metabolism	eco00860	Metabolism	Metabolism of cofactors and vitamins	3	0.460506914
Pyrimidine metabolism	eco00240	Metabolism	Nucleotide metabolism	6	0.462957896

Glycine, serine and threonine metabolism	eco00260	Metabolism	Amino acid metabolism	5	0.462980478
Selenocompound metabolism	eco00450	Metabolism	Metabolism of other amino acids	2	0.485256701
Vancomycin resistance	eco01502	Human Diseases	Drug resistance: Antimicrobial	1	0.525982061
Starch and sucrose metabolism	eco00500	Metabolism	Carbohydrate metabolism	6	0.57197472
Naphthalene degradation	eco00626	Metabolism	Xenobiotics biodegradation and metabolism	1	0.641853136
Chloroalkane and chloroalkene degradation	eco00625	Metabolism	Xenobiotics biodegradation and metabolism	1	0.641853136
Oxidative phosphorylation	eco00190	Metabolism	Energy metabolism	4	0.646431668
Two-component system	eco02020	Environmental Information Processing	Signal transduction	15	0.67297518
Riboflavin metabolism	eco00740	Metabolism	Metabolism of cofactors and vitamins	1	0.6738148
Peptidoglycan biosynthesis	eco00550	Metabolism	Glycan biosynthesis and metabolism	2	0.687305342
Vitamin B6 metabolism	eco00750	Metabolism	Metabolism of cofactors and vitamins	1	0.70293066
Mismatch repair	eco03430	Genetic Information Processing	Replication and repair	2	0.744310052
Cationic antimicrobial peptide (CAMP) resistance	eco01503	Human Diseases	Drug resistance: Antimicrobial	3	0.777770456
Bacterial secretion system	eco03070	Environmental	Membrane transport	2	0.792184666

		Information Processing			
Degradation of aromatic compounds	eco01220	Metabolism	Global and overview maps	2	0.792184666
Terpenoid backbone biosynthesis	eco00900	Metabolism	Metabolism of terpenoids and polyketides	1	0.795667778
RNA degradation	eco03018	Genetic Information Processing	Folding, sorting and degradation	1	0.813927253
Glycerolipid metabolism	eco00561	Metabolism	Lipid metabolism	1	0.813927253
Homologous recombination	eco03440	Genetic Information Processing	Replication and repair	2	0.819545315
Biofilm formation - Escherichia coli	eco02026	Cellular Processes	Cellular community - prokaryotes	4	0.825177199
DNA replication	eco03030	Genetic Information Processing	Replication and repair	1	0.883515262
Ribosome	eco03010	Genetic Information Processing	Translation	3	0.900866751
Ubiquinone and other terpenoid-quinone biosynthesis	eco00130	Metabolism	Metabolism of cofactors and vitamins	1	0.903431258
Glutathione metabolism	eco00480	Metabolism	Metabolism of other amino acids	1	0.919949175
Aminoacyl-tRNA biosynthesis	eco00970	Genetic Information Processing	Translation	1	0.92711871
Sulfur metabolism	eco00920	Metabolism	Energy metabolism	2	0.940917476
Phosphotransferase system (PTS)	eco02060	Environmental Information Processing	Membrane transport	4	0.946093842