

Aa Seq	Avg CPM #1	Avg CPM #2
AAPNTTKPIAQ	484.1785	76.68804545
AASQTTKPIAQ	33.66422727	60.16659091
ADDNTTKPIAQ	227.234	348.7325455
ADPKTTKPIAQ	99.08586364	58.68845455
ADRNTTKPIAQ	305.8486818	190.3033636
ADVGTTKPIAQ	58.23554545	75.29231818
AEFKTTKPIAQ	6.347954545	63.49645455
AELNTTKPIAQ	306.3469091	409.6704545
AHVNTTKPIAQ	307.3105909	264.1594091
AIENTTKPIAQ	800.1239091	948.0630909
AIVSTTKPIAQ	25.07	60.30672727
AKLSTTKPIAQ	43.43477273	52.70113636
ALGNTTKPIAQ	678.5551818	639.1434091
ALMATTKPIAQ	55.39613636	38.01677273
ALNNTTKPIAQ	1069.054591	291.0000909
ALSSTTKPIAQ	79.75	43.50545455
ALVNTTKPIAQ	712.1476818	942.2931818
AMGGTTKPIAQ	34.47095455	45.32754545
AMQNTTKPIAQ	949.4829091	1064.305591
AMTNTTKPIAQ	1145.941045	1331.061409
ANFNTTKPIAQ	581.6003636	791.8565455
ANVNTTKPIAQ	795.2857273	1130.585409
AQANTTKPIAQ	947.7519545	469.9763182
AQDNSTKPIAQ	575.2795909	153.4716818
AQLAGQKPIAQ	105.5850455	108.643
AQLDRGKPIAQ	9.913909091	79.46204545
AQLDSKKPIAQ	84.69940909	88.60563636
AQLGASKPIAQ	70.64627273	117.3206818
AQLGQTKPIAQ	53.98790909	167.9531364
AQLGREKPIAQ	24.69977273	48.31190909
AQLGSDKPIAQ	52.70504545	64.95922727
AQLMQTKPIAQ	22.62077273	93.72413636
AQLNAGSPIAQ	44.75672727	47.83631818
AQLNFSKPIAQ	47.97727273	38.84804545
AQLNHKGPIAQ	84.42995455	76.45490909
AQLNHSRPIAQ	36.11509091	125.5675455
AQLNHSSPIAQ	68.90509091	64.67713636
AQLNKGTPIAQ	31.24013636	75.45959091
AQLNKGVPPIAQ	89.88381818	77.06354545
AQLNKNTPIAQ	88.34836364	42.43863636
AQLNKSGPIAQ	53.27531818	104.8272727
AQLNRPGPIAQ	92.899	52.25459091
AQLNRSDPIAQ	20.98831818	61.22540909
AQLNRSVPIAQ	9.866818182	38.84227273
AQLNRVGPIAQ	108.3700909	89.87
AQLNSASPIAQ	80.59127273	84.54618182

FIG. 1

AQLNSKHPIAQ	94.625	40.67081818
AQLNSSRPIAQ	74.70413636	170.3
AQLNTDRMIAQ	28.00163636	50.18540909
AQLNTGKSIAQ	40.80431818	61.03277273
AQLNTGVPIAQ	49.22054545	38.20227273
AQLNTKLPIAQ	42.12713636	53.61259091
AQLNTKNSIAQ	42.95118182	45.76145455
AQLNTKQMIAQ	19.98063636	58.62540909
AQLNTKQNIQAQ	22.63086364	52.0715
AQLNTKVGIAQ	5.871909091	70.0505
AQLNTLGPQAQ	23.93772727	69.79459091
AQLNTRERIAQ	47.85195455	68.99304545
AQLNTSMAIAQ	106.1663182	40.12045455
AQLNTSPGIAQ	106.5765455	86.50336364
AQLNTSQRIAQ	75.89813636	49.14854545
AQLNTSSKIAQ	48.0055	153.3667727
AQLNTSSVIAQ	25.95613636	75.55677273
AQLNTSTSIAQ	134.9810455	79.47436364
AQLNTTAHGAQ	176.3534091	52.73281818
AQLNTTAKLAQ	105.3853636	77.86277273
AQLNTTAMQAQ	144.5452273	143.3059091
AQLNTTASFAQ	99.7295	137.1389545
AQLNTTASHAQ	133.6680909	92.93109091
AQLNTTASYAQ	13.74595455	59.44786364
AQLNTTAVDAQ	31.50486364	61.60054545
AQLNTTAVPAQ	89.25145455	106.9372273
AQLNTTDFRAQ	23.0165	39.601
AQLNTTGGAAQ	55.27377273	84.98354545
AQLNTTGHTAQ	177.2651364	109.1771818
AQLNTTGMSAQ	62.84831818	108.5251818
AQLNTTGRFAQ	256.3655	103.2235909
AQLNTTGRGAQ	63.4465	64.91245455
AQLNTTGRLAQ	25.47654545	41.61013636
AQLNTTHGIAQ	84.95895455	43.54640909
AQLNTTILDAQ	77.57568182	49.64168182
AQLNTTINHAQ	110.9966818	75.15113636
AQLNTTKAAYQ	720.2612727	741.3477273
AQLNTTKAFSQ	426.7445909	375.4965
AQLNTTKAGIQ	395.1391364	485.1263636
AQLNTTKAHGQ	158.9174545	224.1055
AQLNTTKAIAQ	498.7752273	348.0090455
AQLNTTKAIQQ	1066.441136	963.411
AQLNTTKAKEQ	228.1475455	328.2538636
AQLNTTKALCQ	365.6240455	509.999
AQLNTTKALSQ	282.2365455	257.8908636
AQLNTTKAMAQ	104.7650455	291.2097273
AQLNTTKAVSQ	1023.073864	990.0895

FIG. 1 (continued)

AQLNTTKAVTQ	1014.222591	915.5781818
AQLNTTKAVVQ	720.9071818	321.0635909
AQLNTTKAYTQ	781.7573636	784.8209091
AQLNTTKDAHQ	435.583	621.6396364
AQLNTTKDFAQ	539.7715455	421.3211818
AQLNTTKDLGQ	438.7395909	473.0628182
AQLNTTKDLKQ	339.3287273	315.5912273
AQLNTTKDNHQ	477.5527273	407.8575909
AQLNTTKDPCQ	66.08313636	168.3135
AQLNTTKDRGQ	175.2538182	191.8571364
AQLNTTKDRIQ	224.5984545	212.6386818
AQLNTTKDVAQ	404.5432727	618.2455
AQLNTTKDVGQ	482.7107727	499.8141364
AQLNTTKDVHQ	956.1268636	863.3512727
AQLNTTKDVQQ	316.4962727	674.5945455
AQLNTTKDWRQ	232.1688636	293.6477273
AQLNTTKEVSQ	448.8130909	367.5113636
AQLNTTKFDGQ	139.0161364	530.3544091
AQLNTTKFDLQ	65.38722727	82.00895455
AQLNTTKFMTQ	57.1675	251.2966364
AQLNTTKFNNQ	150.2319091	173.0111818
AQLNTTKFQNG	530.1435455	200.5576364
AQLNTTKFQQQ	169.6257727	290.8043182
AQLNTTKGAMQ	303.8934545	400.3881818
AQLNTTKGDRQ	20.32263636	49.36345455
AQLNTTKGGLQ	729.5503182	1038.793455
AQLNTTKGICQ	340.5934091	80.91109091
AQLNTTKGIGQ	46.36022727	54.61013636
AQLNTTKGISQ	422.4467727	173.4749545
AQLNTTKGLAQ	231.7060909	358.3664545
AQLNTTKGTLQ	447.3812727	240.8145455
AQLNTTKGTYQ	627.0861818	339.5509545
AQLNTTKGVCQ	142.1085	190.6918182
AQLNTTKGWAQ	231.4717273	348.7055
AQLNTTKGWCQ	45.88413636	111.7257273
AQLNTTKGWIQ	628.4485455	489.0792727
AQLNTTKGYIQ	375.689	348.6112273
AQLNTTKGYSQ	686.3025909	748.2390909
AQLNTTKHSGQ	115.1424091	210.0999545
AQLNTTKHVDQ	1188.493455	1694.141409
AQLNTTKIAQQ	4.129181818	244.0090909
AQLNTTKIIPQ	401.5334545	230.7550909
AQLNTTKINGQ	135.1611364	315.2896364
AQLNTTKISMQ	59.93431818	349.0997273
AQLNTTKISPQ	439.5383636	550.7615909
AQLNTTKITDQ	942.008	1178.846045
AQLNTTKITHQ	455.9755909	287.3542273

FIG. 1 (continued)

AQLNTTKIVCQ	379.6949545	452.3663182
AQLNTTKKDAQ	126.6000909	41.35668182
AQLNTTKKENQ	253.8545455	242.8833182
AQLNTTKLAAQ	256.4897727	299.5826818
AQLNTTKLAGQ	544.0215455	922.3882273
AQLNTTKLALQ	343.3808182	331.3075455
AQLNTTKLDAQ	91.50977273	38.40618182
AQLNTTKLDGQ	255.0014545	411.3916818
AQLNTTKLESQ	160.6036364	258.2862727
AQLNTTKLFGQ	276.8020455	1046.531955
AQLNTTKLHDQ	913.9438182	1140.373864
AQLNTTKLHEQ	799.5287727	902.4494545
AQLNTTKLHLQ	57.44063636	78.05977273
AQLNTTKLHYQ	43.56622727	101.1725909
AQLNTTKLMVQ	570.1319545	413.4257273
AQLNTTKLPAQ	173.1427273	62.19827273
AQLNTTKLPFQ	205.3237727	165.2247273
AQLNTTKLPLQ	307.7055455	156.6465909
AQLNTTKLSPQ	606.8055455	546.1361818
AQLNTTKLTFQ	186.6739545	469.3007727
AQLNTTKLTHQ	276.9076364	253.9937273
AQLNTTKLTNQ	479.2517273	661.7780455
AQLNTTKLTQQ	825.7218182	755.4998182
AQLNTTKLTYQ	688.7456364	717.3910909
AQLNTTKLYVQ	218.8800909	167.8008182
AQLNTTKMINQ	667.4126364	710.1180909
AQLNTTKMLSQ	340.4100909	329.1864545
AQLNTTKMMAQ	372.5119545	536.1501818
AQLNTTKMMLQ	156.6871818	288.0729091
AQLNTTKMQFQ	85.649	319.6143182
AQLNTTKMSNQ	506.3285455	699.5693182
AQLNTTKMSQQ	397.5673636	72.00218182
AQLNTTKNDNQ	460.3891364	571.8388182
AQLNTTKNEQQ	724.9677727	434.0592727
AQLNTTKNGGQ	294.9784545	420.5344545
AQLNTTKNGTQ	677.9336364	861.0437273
AQLNTTKNGYQ	725.506	1133.078955
AQLNTTKNIGQ	959.2127273	832.2575455
AQLNTTKNITQ	1592.677818	1809.803727
AQLNTTKNMTQ	1362.226045	1140.609955
AQLNTTKNSQQ	856.531	897.8622273
AQLNTTKNVNQ	912.4934091	1260.894727
AQLNTTKNVTQ	1302.565045	1373.299818
AQLNTTKPAAH	169.3227273	204.4119545
AQLNTTKPADF	268.6918182	160.1245909
AQLNTTKPADP	403.5889545	284.6045
AQLNTTKPAIV	232.3085909	260.9715909

FIG. 1 (continued)

AQLNTTKPALM	38.25663636	103.0119091
AQLNTTKPALT	451.4354091	402.7774091
AQLNTTKPANQ	1152.914409	1304.246227
AQLNTTKPAPA	1175.54	1064.049091
AQLNTTKPASG	352.1157273	418.9904091
AQLNTTKPASS	274.0355909	472.2843182
AQLNTTKPAST	536.9053636	380.6711818
AQLNTTKPASV	336.2510909	85.16777273
AQLNTTKPAWG	664.3251818	686.4000909
AQLNTTKPAWN	759.5074091	620.9562273
AQLNTTKPDFG	851.9672727	505.4682273
AQLNTTKPDFK	151.949	134.1238182
AQLNTTKPDIQ	100.2898636	121.1239091
AQLNTTKPDKP	36.60463636	41.84259091
AQLNTTKPDLH	260.8897273	416.1009091
AQLNTTKPDLL	579.1146364	558.7360909
AQLNTTKPDLN	190.8410455	368.9745909
AQLNTTKPDLY	426.8075	548.1240455
AQLNTTKPDNA	373.7205909	468.3103182
AQLNTTKPDNM	612.8131364	628.3497273
AQLNTTKPDNN	794.1712273	771.1401364
AQLNTTKPDPT	319.1516818	333.8623636
AQLNTTKPDSQ	606.8871818	375.3241364
AQLNTTKPDST	342.5967273	316.1697273
AQLNTTKPDTG	474.7356364	311.4901818
AQLNTTKPDYK	79.77140909	45.50822727
AQLNTTKPDYL	631.8805	512.2783182
AQLNTTKPDYT	397.1531818	298.2558636
AQLNTTKPEAY	34.71036364	49.54231818
AQLNTTKPEFT	695.3708636	679.6885455
AQLNTTKPEFV	347.2316818	494.7655
AQLNTTKPEGQ	704.5442273	834.8160909
AQLNTTKPELL	324.2415455	367.7195
AQLNTTKPETI	81.44163636	173.2822727
AQLNTTKPFAQ	807.354	1050.641091
AQLNTTKPFDR	552.5009545	1004.919136
AQLNTTKPFEG	907.7583182	639.4387273
AQLNTTKPFEQ	670.7255909	839.1211818
AQLNTTKPFES	499.9814091	540.3851818
AQLNTTKPFEV	194.7008182	171.1895455
AQLNTTKPFPM	294.0359545	311.0466364
AQLNTTKPFPN	661.6330909	721.5750909
AQLNTTKPFTG	633.2608636	474.7054545
AQLNTTKPGAI	166.5885	371.4149545
AQLNTTKPGAQ	144.1253182	357.002
AQLNTTKPGFN	516.2020909	652.8618636
AQLNTTKPGFV	480.8522273	444.9784091

FIG. 1 (continued)

AQLNTTKPGGQ	1125.444091	929.6582727
AQLNTTKPGII	635.9064545	796.8959091
AQLNTTKPGLG	537.8768636	992.9739545
AQLNTTKPGLH	441.5594091	501.8366818
AQLNTTKPGPD	574.4195455	723.7957273
AQLNTTKPGPL	190.6973182	85.52654545
AQLNTTKPGQT	490.3614091	410.0331818
AQLNTTKPGYL	88.95295455	149.274
AQLNTTKPHCL	69.79172727	131.5212273
AQLNTTKPHEL	641.3614091	720.6030455
AQLNTTKPHMD	567.1712727	544.5501364
AQLNTTKPHMQ	301.9433636	666.319
AQLNTTKPIAP	670.5885455	636.2247727
AQLNTTKPIAQ	1461.633591	1361.528227
AQLNTTKPIET	624.1527727	737.0316364
AQLNTTKPIFP	505.3580909	732.2239545
AQLNTTKPIIQ	682.7343636	669.9434091
AQLNTTKPIVV	479.6936818	470.7894545
AQLNTTKPIYG	681.9277273	597.9888636
AQLNTTKPKDE	243.6785	223.9197273
AQLNTTKPLAQ	801.0644545	1089.439227
AQLNTTKPLDD	667.0976818	262.3736364
AQLNTTKPLDM	735.9895	768.7896364
AQLNTTKPLEK	119.8022727	52.20104545
AQLNTTKPLFH	32.13963636	71.70859091
AQLNTTKPLGD	265.8157727	74.40436364
AQLNTTKPLHQ	23.36436364	158.7442273
AQLNTTKPLLY	264.9913636	201.4053636
AQLNTTKPLMM	511.3932273	531.6247727
AQLNTTKPLNF	1039.524318	1006.354
AQLNTTKPLNP	937.1226818	856.5190909
AQLNTTKPLNT	326.5790909	482.3929545
AQLNTTKPLQF	1004.586773	1101.126364
AQLNTTKPLQJ	447.9772273	723.9522273
AQLNTTKPLQN	508.1561364	269.9824091
AQLNTTKPLSA	556.6362273	354.4768182
AQLNTTKPLSE	371.9661818	381.5638636
AQLNTTKPLSG	727.1060455	739.8922727
AQLNTTKPLTE	262.1820455	289.8385455
AQLNTTKPLTN	270.2759091	143.6893182
AQLNTTKPLVQ	924.7599091	848.7609091
AQLNTTKPLVV	296.1265455	319.6070455
AQLNTTKPMAT	549.1228636	522.2001364
AQLNTTKPMDQ	775.7212727	38.18677273
AQLNTTKPMLN	334.8741364	356.362
AQLNTTKPMLT	662.9092273	657.7893636
AQLNTTKPMMT	598.5649091	474.4267273

FIG. 1 (continued)

AQLNTTKPMSQ	1038.076045	760.1930455
AQLNTTKPMTI	500.2605909	498.4503636
AQLNTTKPMTY	534.9387727	518.2465
AQLNTTKPMVH	419.4059091	390.9073636
AQLNTTKPNAN	497.8952727	382.2523636
AQLNTTKPNAQ	628.3661364	494.5043636
AQLNTTKPNEL	377.2201818	326.9247273
AQLNTTKPNFH	429.5328182	419.6147273
AQLNTTKPNLA	290.0435	211.0668636
AQLNTTKPNMS	200.6705455	332.3848636
AQLNTTKPNNA	535.0075909	622.6874091
AQLNTTKPNNV	212.6172727	71.02059091
AQLNTTKPNPV	199.0050455	137.8485909
AQLNTTKPNQD	466.3984091	599.4732727
AQLNTTKPNSA	428.4622727	400.6262727
AQLNTTKPNSY	458.2520455	571.4903636
AQLNTTKPNVF	270.8264545	715.2443182
AQLNTTKPNYN	362.7896364	622.6548182
AQLNTTKPPGV	319.9231818	327.9801364
AQLNTTKPPMS	196.0982727	264.4430909
AQLNTTKPPSA	185.1711364	235.5739545
AQLNTTKPPSL	313.1350455	304.2200455
AQLNTTKPQDQ	996.1745455	893.6318182
AQLNTTKPQDY	148.8755909	277.1402727
AQLNTTKPQEG	407.5570455	355.5729545
AQLNTTKPQLQ	815.8386818	1180.350955
AQLNTTKPQML	582.058	689.4088182
AQLNTTKPQND	618.1086364	882.5868636
AQLNTTKPQNQ	1171.252773	1183.863636
AQLNTTKPQPV	788.2766818	925.5838636
AQLNTTKPQTS	448.7465	489.3057273
AQLNTTKPRDE	1346.551818	1033.053136
AQLNTTKPRDI	413.9840909	447.4478182
AQLNTTKPRDP	734.8605909	703.7308636
AQLNTTKPREG	367.7739091	556.523
AQLNTTKPRND	258.593	195.1046364
AQLNTTKPSAQ	620.8973636	432.7075
AQLNTTKPSCN	433.0385	517.5076818
AQLNTTKPSDC	439.8277727	264.9201364
AQLNTTKPSDH	900.0666364	709.6706364
AQLNTTKPSDK	304.1637273	259.4695455
AQLNTTKPSDR	772.6024091	843.8899091
AQLNTTKPSEG	605.0930909	329.0862273
AQLNTTKPSEP	181.5309545	197.8711818
AQLNTTKPSFP	34.62904545	86.02822727
AQLNTTKPSLD	775.7197273	779.0890455
AQLNTTKPSMQ	511.3129091	1028.818909

FIG. 1 (continued)

AQLNTTKPSMY	403.1795	473.8130909
AQLNTTKPSNE	157.8959091	615.0995909
AQLNTTKPSPG	1998.891773	2225.720227
AQLNTTKPSSG	755.1817273	1100.051545
AQLNTTKPSSQ	710.9849545	875.9877273
AQLNTTKPSTD	175.2479545	354.2905
AQLNTTKPSVG	270.9618636	230.0385
AQLNTTKPSWA	520.6530909	283.4040455
AQLNTTKPSWQ	1173.419909	877.5651364
AQLNTTKPSYH	312.9747273	440.0227727
AQLNTTKPTAG	1702.279818	1603.298182
AQLNTTKPTAQ	1326.571318	937.3832727
AQLNTTKPTAT	1235.361045	1071.692273
AQLNTTKPTDA	664.8370909	500.3787273
AQLNTTKPTDR	2152.696455	2349.251045
AQLNTTKPTEQ	1064.317545	1007.284727
AQLNTTKPTGP	1992.697545	2268.166773
AQLNTTKPTIG	1079.214136	990.7090455
AQLNTTKPTLH	370.7952273	442.2141364
AQLNTTKPTMA	687.2025455	838.6406818
AQLNTTKPTMS	863.2524091	1013.493636
AQLNTTKPTPS	1552.306909	1774.134727
AQLNTTKPTSA	572.1688636	578.6965
AQLNTTKPTSE	306.0235	364.8913182
AQLNTTKPTSF	1566.163273	1518.434045
AQLNTTKPTSY	1436.703545	1472.300182
AQLNTTKPTVG	2014.656273	1363.326136
AQLNTTKPTVI	713.1079091	923.9302727
AQLNTTKPVAG	1674.626955	1279.902545
AQLNTTKPVDW	1010.682318	316.8557727
AQLNTTKPVGY	843.8066818	1030.441273
AQLNTTKPVIT	352.0908182	506.8457273
AQLNTTKPVLE	461.6199545	534.6045455
AQLNTTKPVLS	298.2748182	385.2297273
AQLNTTKPVML	622.4123182	902.5146818
AQLNTTKPVMQ	1154.838364	1090.270273
AQLNTTKPVQL	620.0591818	1008.607
AQLNTTKPVRD	83.57822727	50.10827273
AQLNTTKPVSD	877.2185	972.6494545
AQLNTTKPVSM	947.9550909	898.3722727
AQLNTTKPVSP	463.7627727	657.1112727
AQLNTTKPVST	509.0224091	755.8735909
AQLNTTKPVVA	991.2629545	1222.915818
AQLNTTKPWND	584.5276818	627.4235909
AQLNTTKPWTL	53.23004545	107.616
AQLNTTKPWTQ	248.3990455	124.4211364
AQLNTTKPYDH	550.9932273	428.7553636

FIG. 1 (continued)

AQLNTTKPYES	771.0865909	855.0533636
AQLNTTKPYGV	224.5791818	284.4175455
AQLNTTKPYPD	255.9542273	155.8624091
AQLNTTKPYSG	482.9257273	502.3919545
AQLNTTKPYTD	523.5941818	491.6100455
AQLNTTKQIAQ	784.6605	699.9863636
AQLNTTKQIDQ	865.4634545	1437.690409
AQLNTTKQIPQ	879.0404545	584.7772727
AQLNTTKQLDQ	638.2558182	847.7676818
AQLNTTKQMNQ	1257.688636	1460.066136
AQLNTTKQMTQ	951.6933636	774.2662273
AQLNTTKQQVQ	566.3410909	614.2894091
AQLNTTKQTEQ	915.7610455	891.1492727
AQLNTTKQTMQ	780.3616818	822.2970455
AQLNTTKRDAQ	48.33304545	77.64177273
AQLNTTKRDTQ	244.7916364	40.88109091
AQLNTTKREIQ	237.4512727	225.7630909
AQLNTTKRPEQ	494.7697273	558.6418182
AQLNTTKRSDQ	688.6995	506.6988636
AQLNTTKSAHQ	218.9117727	139.9132273
AQLNTTKSAYQ	691.6537273	576.1166364
AQLNTTKSDGQ	371.1086364	362.7784091
AQLNTTKSDHQ	339.0191364	400.3757727
AQLNTTKSFGQ	383.0016364	1076.254636
AQLNTTKSFPQ	1200.949091	836.8921818
AQLNTTKSGYQ	683.3915909	752.1375455
AQLNTTKSIYQ	325.4649545	213.1893636
AQLNTTKSLAQ	450.8115455	358.3698636
AQLNTTKSLGQ	191.297	302.9566364
AQLNTTKSNIQ	225.8675909	373.0862727
AQLNTTKSPDQ	698.9173182	656.0945455
AQLNTTKSPMQ	309.6281364	409.2182727
AQLNTTKSVMQ	2881.571409	2849.414773
AQLNTTKSYGQ	194.2375455	967.3843636
AQLNTTKTDRQ	61.60477273	58.37263636
AQLNTTKTDTQ	104.3728636	202.8047273
AQLNTTKTFEQ	771.2978182	756.5847727
AQLNTTKTIPQ	320.4564545	163.1418636
AQLNTTKTLNQ	295.1135909	345.3385455
AQLNTTKTLTQ	123.3211818	313.3943636
AQLNTTKTQSQ	310.5419545	468.1667727
AQLNTTKTSCQ	66.83509091	281.5302273
AQLNTTKTSDQ	666.6472727	808.6886818
AQLNTTKTSGQ	333.0508182	328.5880909
AQLNTTKTSSQ	301.1651364	425.3522727
AQLNTTKTTGQ	378.922	441.7732273
AQLNTTKTVEQ	407.0664091	412.2963182

FIG. 1 (continued)

AQLNTTKTYGQ	88.67263636	500.3108636
AQLNTTKVANQ	1180.183045	1020.379636
AQLNTTKVDRQ	73.69518182	135.5897727
AQLNTTKVEGQ	351.3894091	481.2334545
AQLNTTKVGSQ	351.2150909	307.5514091
AQLNTTKVIPQ	668.4526818	259.7431364
AQLNTTKVLLQ	195.0385909	191.8679091
AQLNTTKVLTQ	451.3032273	431.217
AQLNTTKVNSQ	248.7110909	283.4038182
AQLNTTKVNTQ	116.3311818	284.8957273
AQLNTTKVVLQ	483.2313636	476.8924545
AQLNTTKWQGQ	42.91727273	162.2315
AQLNTTKWTDQ	103.6550455	87.40168182
AQLNTTKYFEQ	141.6664091	273.8060455
AQLNTTKYLGQ	55.871	79.34768182
AQLNTTKYSGQ	196.6764545	282.0424545
AQLNTTKYYEQ	294.1583636	593.2477273
AQLNTTLNRAQ	90.62468182	99.21804545
AQLNTTLSHAQ	54.37568182	54.79081818
AQLNTTLSCAQ	12.42568182	72.59154545
AQLNTTLTSAQ	96.11231818	72.71363636
AQLNTTMAHAQ	84.539	95.54131818
AQLNTTMKDAQ	68.64631818	58.00468182
AQLNTTMNPAQ	75.16881818	107.6988182
AQLNTTNPLAQ	45.87195455	44.05427273
AQLNTTNRNAQ	3.400863636	86.32277273
AQLNTTNRSAQ	15.32713636	54.00781818
AQLNTTPARAQ	26.57422727	49.05590909
AQLNTTQAHAQ	50.16872727	65.41290909
AQLNTTQSGAQ	117.0499545	52.48118182
AQLNTTRALAQ	277.0920909	236.4008636
AQLNTTRANAQ	253.5720455	230.3265
AQLNTTRDRAQ	291.7910455	321.7821818
AQLNTTRGFAQ	427.9665	529.052
AQLNTTRGGAQ	416.1086364	340.1951818
AQLNTTRGNAQ	230.7172273	244.3020909
AQLNTTRGSAQ	387.5321364	390.5157273
AQLNTTRIAAQ	54.097	238.4132273
AQLNTTRLEAQ	159.0224091	100.4750455
AQLNTTRLLAQ	82.89336364	86.112
AQLNTTRNFAQ	678.8809545	607.5650455
AQLNTTRNGAQ	313.2158182	588.7269091
AQLNTTRNQAQ	898.2880455	1010.938864
AQLNTTRQEAQ	57.87909091	226.6074545
AQLNTTRSTAQ	753.2877273	696.5829091
AQLNTTRSYAQ	390.4962727	505.1915455
AQLNTTRTLAQ	120.4007727	231.0198636

FIG. 1 (continued)

AQLNTRVNAQ	141.3615	114.7017273
AQLNTRYTAQ	67.80531818	58.92754545
AQLNTTSIAAQ	43.37604545	95.47040909
AQLNTTSMTAQ	89.09645455	100.2621364
AQLNTTSSFAQ	56.51422727	49.12645455
AQLNTTSSVAQ	34.31445455	58.05068182
AQLNTTSTNAQ	41.19386364	162.8520455
AQLNTTSTRAQ	17.86068182	61.86068182
AQLNTTAVAAQ	142.8372273	68.00854545
AQLNTTGTIAQ	86.24727273	67.27245455
AQLNTTGSAAQ	23.98304545	79.34336364
AQLNTTTHPAQ	137.2735455	129.4896364
AQLNTTTIGAQ	63.55127273	115.8325
AQLNTTTLGAQ	129.8870455	120.7318182
AQLNTTTMGAQ	1.623681818	91.10786364
AQLNTTTMSAQ	196.0445909	71.53518182
AQLNTTTMTAQ	6.488909091	59.70686364
AQLNTTTQKAAQ	40.73395455	48.4815
AQLNTTTTRIAQ	274.5949091	53.85704545
AQLNTTTSIAQ	55.46459091	90.53172727
AQLNTTTTSAQ	90.76463636	77.05127273
AQLNTTTTTAAQ	88.69895455	96.58636364
AQLNTTTTYAAQ	57.51990909	87.16745455
AQLNTTVGLAQ	65.34345455	45.94777273
AQLNTTVNSAQ	40.05459091	38.23109091
AQLNTTVPRAQ	63.33954545	76.194
AQLNTTVSSAQ	26.1285	157.0561364
AQLNTTVTKAQ	26.51845455	79.75404545
AQLNTTVVSAQ	78.41636364	80.48713636
AQLNTTYTVAQ	24.04386364	76.61181818
AQLNTVGTIAQ	36.58631818	53.35654545
AQLNTVSLIAQ	4.240045455	72.57177273
AQLNVTTPIAQ	8.773727273	65.47213636
AQLSASKPIAQ	49.51490909	89.32218182
AQLSATKPIAQ	60.83886364	68.64077273
AQLSPTKPIAQ	71.95127273	48.07736364
AQLSREKPIAQ	84.02954545	58.78640909
AQLSVGKPIAQ	79.30345455	60.04340909
AQLTGVKPIAQ	38.69786364	42.05204545
AQQTNTKPIAQ	178.496	63.48581818
AQQVTTKPIAQ	77.77118182	70.81686364
AQSNNTKPIAQ	838.4099091	724.9716818
AQVNATKPIAQ	360.515	346.2866364
AQVNNTKPIAQ	389.9725455	178.0527727
AQVNTTKPIAQ	511.261	637.7953636
AQVSGTKPIAQ	44.95227273	85.72218182
AQVSNTKPIAQ	39.47304545	113.5729545

FIG. 1 (continued)

AQYITTKPIAQ	22.48904545	56.38386364
ARKDITTKPIAQ	12.54290909	81.62127273
ASENTTKPIAQ	911.8590455	481.0765
ASHVITTKPIAQ	27.50636364	47.63013636
ASIGITTKPIAQ	27.44727273	72.17845455
ASILITTKPIAQ	61.72077273	101.3815455
ASLGITTKPIAQ	65.53204545	54.29790909
ASLSTTKPIAQ	113.7403636	51.53809091
ASLTTTKPIAQ	122.1108182	57.67686364
ASPTTTKPIAQ	18.12872727	65.00831818
ASQQTTKPIAQ	44.09659091	85.17577273
ASQVITTKPIAQ	26.01672727	59.00495455
ASTLITTKPIAQ	86.69795455	47.97881818
ASVNITTKPIAQ	837.1863636	947.5473182
ASYATTKPIAQ	34.37459091	79.19068182
ASYSTTKPIAQ	33.56695455	48.86663636
ASYTTTKPIAQ	59.6175	40.01472727
ATASTTKPIAQ	61.73031818	69.40072727
ATGGITTKPIAQ	114.5472273	85.32622727
ATVGITTKPIAQ	29.97831818	58.95431818
AVMNITTKPIAQ	800.7973182	735.1841818
AYVNITTKPIAQ	84.06654545	299.4426818
CATNITTKPIAQ	326.5780909	525.9305909
CQLNITTKPIAQ	287.8532273	395.1778182
CTVNITTKPIAQ	125.942	54.10681818
DGTNITTKPIAQ	389.4913182	265.2831364
DMTNITTKPIAQ	1060.760545	749.4518182
DRQNITTKPIAQ	309.9245	133.8270909
DWSNITTKPIAQ	239.6729545	360.473
EAYNITTKPIAQ	494.9230455	249.9746364
EGYNITTKPIAQ	291.8972273	168.1055455
EHYNITTKPIAQ	284.8382727	97.36513636
ELKNITTKPIAQ	554.0657273	797.0784545
EQMNITTKPIAQ	1078.542455	1117.471409
ETSNITTKPIAQ	777.1938182	246.4820455
EVTNITTKPIAQ	982.1307727	942.896
FRENTTKPIAQ	120.0636364	126.2800909
FSPNITTKPIAQ	280.96	315.9196818
GGVNITTKPIAQ	67.49368182	70.31822727
GPSNITTKPIAQ	441.9611364	318.2867727
GPTNITTKPIAQ	586.1066364	700.3159545
GPVNITTKPIAQ	360.5565909	373.8809091
GSNITTKPIAQ	426.648	289.5751818
GSSNITTKPIAQ	271.4703182	591.9826364
GTLNITTKPIAQ	360.7646818	454.5641818
GYSNITTKPIAQ	8.260227273	44.49968182
IGYNITTKPIAQ	138.3783636	273.9879091

FIG. 1 (continued)

IMHNNTTKPIAQ	203.6384091	195.2715455
IPSNTTKPIAQ	602.9047727	687.2094545
ITSNTTKPIAQ	433.3366818	340.4415455
LALNNTTKPIAQ	1021.920091	768.0914091
LATNNTTKPIAQ	186.8845	362.0696818
LHNNTTKPIAQ	91.83040909	159.9480909
LVMNNTTKPIAQ	542.7982273	689.3408182
LYSNNTTKPIAQ	387.3400909	330.6745455
MANNTTKPIAQ	1476.533591	786.0638182
MGTNNTTKPIAQ	457.2563636	438.983
NAINTTKPIAQ	236.5605	241.6058182
NAPNNTTKPIAQ	37.47654545	56.32459091
NEHNNTTKPIAQ	132.1315909	84.51718182
NNPNNTTKPIAQ	103.1501818	118.5663636
NTHNNTTKPIAQ	117.3128182	253.7367727
NTTNNTTKPIAQ	474.4547273	554.0594091
PGLNNTTKPIAQ	788.0997273	486.5956364
PTSNNTTKPIAQ	1110.4805	747.7796818
QISNNTTKPIAQ	964.2309545	1012.384
QPLNNTTKPIAQ	1079.938182	932.7578182
QTNNTTKPIAQ	1268.858	829.8586364
QVENNTTKPIAQ	265.5187727	414.5641364
RDTNNTTKPIAQ	155.7509545	106.2336364
RPLNNTTKPIAQ	141.4377727	76.34159091
RTENNTTKPIAQ	356.4568182	432.0100909
SATNNTTKPIAQ	752.3319091	781.8073182
SDGNNTTKPIAQ	622.1902273	617.307
SEANNTTKPIAQ	243.6586818	104.0367273
SFFNNTTKPIAQ	26.57572727	39.57977273
SNSNNTTKPIAQ	264.7010455	262.6620909
SPSNNTTKPIAQ	724.6215	687.1304545
SSPNNTTKPIAQ	420.3155455	387.3733636
SSQNNTTKPIAQ	744.0021364	1000.043091
SSSNNTTKPIAQ	503.9744545	666.2655455
SVENNTTKPIAQ	608.0233182	624.0408636
TELNNTTKPIAQ	410.6328636	217.5544091
TERNNTTKPIAQ	184.0881818	97.01968182
TEVNNTTKPIAQ	152.3212727	286.5697727
TGVNNTTKPIAQ	465.7902727	291.0871818
TITNNTTKPIAQ	977.7504091	1083.070182
TNVNNTTKPIAQ	453.8353182	620.2561364
TQINNTTKPIAQ	454.9544091	676.7754545
TSNNNTTKPIAQ	497.4225	701.5152727
TTNNNTTKPIAQ	759.6146818	437.703
TTVNNTTKPIAQ	694.0077273	671.5613636
TVFNNTTKPIAQ	255.8511364	367.4807727
VALNNTTKPIAQ	1027.058	1377.713955

FIG. 1 (continued)

VAVNTTKPIAQ	742.1806818	618.1991818
VEVNTTKPIAQ	186.6014091	158.9530909
VFSNTTKPIAQ	473.6258636	444.4665909
VHLNTTKPIAQ	256.2259091	543.8513636
VLSNTTKPIAQ	889.6411818	627.0334091
VNLNTTKPIAQ	455.1527727	489.4383182
VSNNTTKPIAQ	727.8156364	769.0238182
VSSNTTKPIAQ	817.4391364	583.494
WDVNTTKPIAQ	250.3779545	177.362
WSINTTKPIAQ	233.0782273	149.4552273
YALNTTKPIAQ	395.2617727	512.0908636
YDGNTTKPIAQ	459.7841364	502.374
YMPNTTKPIAQ	512.4092727	608.2284545
YSLNTTKPIAQ	375.4928182	369.6632727
YSNNTTKPIAQ	506.2236818	479.9532273
YSSNTTKPIAQ	216.4285455	240.2677727

FIG. 1 (continued)

Aa Seq	Avg CPM #2
AQLNTTKSVMQ	2849.414773
AQLNTTKPTDR	2349.251045
AQLNTTKPTGP	2268.166773
AQLNTTKPSPG	2225.720227
AQLNTTKNITQ	1809.803727
AQLNTTKPTPS	1774.134727
AQLNTTKHVDQ	1694.141409
AQLNTTKPTAG	1603.298182
AQLNTTKPTSF	1518.434045
AQLNTTKPTS	1472.300182
AQLNTTKQMNQ	1460.066136
AQLNTTKQIDQ	1437.690409
VALNTTKPIAQ	1377.713955
AQLNTTKNVTQ	1373.299818
AQLNTTKPTVG	1363.326136
AQLNTTKPIAQ	1361.528227
AMTNTTKPIAQ	1331.061409
AQLNTTKPANQ	1304.246227
AQLNTTKPVAG	1279.902545
AQLNTTKNVNQ	1260.894727
AQLNTTKPVVA	1222.915818
AQLNTTKPQNQ	1183.863636
AQLNTTKPQLQ	1180.350955
AQLNTTKITDQ	1178.846045
AQLNTTKNMTQ	1140.609955
AQLNTTKLHDQ	1140.373864
AQLNTTKNGYQ	1133.078955
ANVNTTKPIAQ	1130.585409
EQMNTTKPIAQ	1117.471409
AQLNTTKPLQF	1101.126364
AQLNTTKPSSG	1100.051545
AQLNTTKPVMQ	1090.270273
AQLNTTKPLAQ	1089.439227
TITNTTKPIAQ	1083.070182
AQLNTTKSFGQ	1076.254636
AQLNTTKPTAT	1071.692273
AMQNTTKPIAQ	1064.305591
AQLNTTKPAPA	1064.049091
AQLNTTKPFAQ	1050.641091
AQLNTTKLFGQ	1046.531955
AQLNTTKGGLQ	1038.793455
AQLNTTKPRDE	1033.053136
AQLNTTKPVG	1030.441273
AQLNTTKPSMQ	1028.818909
AQLNTTKVANQ	1020.379636
AQLNTTKPTMS	1013.493636

FIG. 2

QISNTTKPIAQ	1012.384
AQLNTRNRQAQ	1010.938864
AQLNTRKPVQL	1008.607
AQLNTRKPTAQ	1007.284727
AQLNTRKPLNF	1006.354
AQLNTRKPFDR	1004.919136
SSQNTTKPIAQ	1000.043091
AQLNTRKPLG	992.9739545
AQLNTRKPTIG	990.7090455
AQLNTRKAVSQ	990.0895
AQLNTRKPVSD	972.6494545
AQLNTRKSYGQ	967.3843636
AQLNTRKAIQQ	963.411
AIENTTKPIAQ	948.0630909
ASVNTTKPIAQ	947.5473182
EVTNTTKPIAQ	942.896
ALVNTTKPIAQ	942.2931818
AQLNTRKPTAQ	937.3832727
QPLNTRKPIAQ	932.7578182
AQLNTRKPGGQ	929.6582727
AQLNTRKQPQV	925.5838636
AQLNTRKPTVI	923.9302727
AQLNTRKLAGQ	922.3882273
AQLNTRKAVTQ	915.5781818
AQLNTRKPVML	902.5146818
AQLNTRKLHEQ	902.4494545
AQLNTRKPVSM	898.3722727
AQLNTRKNSQQ	897.8622273
AQLNTRKPDQ	893.6318182
AQLNTRKQTEQ	891.1492727
AQLNTRKPNQD	882.5868636
AQLNTRKPSWQ	877.5651364
AQLNTRKPSQ	875.9877273
AQLNTRKDVHQ	863.3512727
AQLNTRKNGTQ	861.0437273
AQLNTRKPLNP	856.5190909
AQLNTRKPYES	855.0533636
AQLNTRKPLVQ	848.7609091
AQLNTRKQLDQ	847.7676818
AQLNTRKPSDR	843.8899091
AQLNTRKPFQ	839.1211818
AQLNTRKPTMA	838.6406818
AQLNTRKSFQ	836.8921818
AQLNTRKPEGQ	834.8160909
AQLNTRKNIGQ	832.2575455
QTNNTTKPIAQ	829.8586364
AQLNTRKQTMQ	822.2970455

FIG. 2 (continued)

AQLNTTKTSDQ	808.6886818
ELKNNTTKPIAQ	797.0784545
AQLNTTKPGII	796.8959091
ANFNNTTKPIAQ	791.8565455
MANNNTTKPIAQ	786.0638182
AQLNTTKAYTQ	784.8209091

FIG. 2 (continued)

Aa Seq	Avg CPM #1
AQLNTTKSVMQ	2881.571409
AQLNTTKPTDR	2152.696455
AQLNTTKPTVG	2014.656273
AQLNTTKPSPG	1998.891773
AQLNTTKPTGP	1992.697545
AQLNTTKPTAG	1702.279818
AQLNTTKPVAG	1674.626955
AQLNTTKNITQ	1592.677818
AQLNTTKPTSF	1566.163273
AQLNTTKPTPS	1552.306909
MANNNTTKPIAQ	1476.533591
AQLNTTKPIAQ	1461.633591
AQLNTTKPTS	1436.703545
AQLNTTKNMTQ	1362.226045
AQLNTTKPRDE	1346.551818
AQLNTTKPTAQ	1326.571318
AQLNTTKNVTQ	1302.565045
QTNNTTKPIAQ	1268.858
AQLNTTKQMNQ	1257.688636
AQLNTTKPTAT	1235.361045
AQLNTTKSFPQ	1200.949091
AQLNTTKHVDQ	1188.493455
AQLNTTKVANQ	1180.183045
AQLNTTKPAPA	1175.54
AQLNTTKPSWQ	1173.419909
AQLNTTKPQNQ	1171.252773
AQLNTTKPVMQ	1154.838364
AQLNTTKPANQ	1152.914409
AMTNNTTKPIAQ	1145.941045
AQLNTTKPGGQ	1125.444091
PTSNTTKPIAQ	1110.4805
QPLNTTKPIAQ	1079.938182
AQLNTTKPTIG	1079.214136
EQMNTTKPIAQ	1078.542455
ALNNTTKPIAQ	1069.054591
AQLNTTKAIQQ	1066.441136
AQLNTTKPTEQ	1064.317545
DMTNNTTKPIAQ	1060.760545
AQLNTTKPLNF	1039.524318
AQLNTTKPMSQ	1038.076045
VALNTTKPIAQ	1027.058
AQLNTTKAVSQ	1023.073864
LALNTTKPIAQ	1021.920091
AQLNTTKAVTQ	1014.222591
AQLNTTKPVDW	1010.682318
AQLNTTKPLQF	1004.586773

FIG. 3

AQLNTTKPQDQ	996.1745455
AQLNTTKPVVA	991.2629545
EVTNTTKPIAQ	982.1307727
TITNTTKPIAQ	977.7504091
QISNTTKPIAQ	964.2309545
AQLNTTKNIGQ	959.2127273
AQLNTTKDVHQ	956.1268636
AQLNTTKQMTQ	951.6933636
AMQNTTKPIAQ	949.4829091
AQLNTTKPVSM	947.9550909
AQANTTKPIAQ	947.7519545
AQLNTTKITDQ	942.008
AQLNTTKPLNP	937.1226818
AQLNTTKPLVQ	924.7599091
AQLNTTKQTEQ	915.7610455
AQLNTTKLHDQ	913.9438182
AQLNTTKNVNQ	912.4934091
ASENTTKPIAQ	911.8590455
AQLNTTKPFEG	907.7583182
AQLNTTKPSDH	900.0666364
AQLNTTRNQAQ	898.2880455
VLSNTTKPIAQ	889.6411818
AQLNTTKQIPQ	879.0404545
AQLNTTKPVSD	877.2185
AQLNTTKQIDQ	865.4634545
AQLNTTKPTMS	863.2524091
AQLNTTKNSQQ	856.531
AQLNTTKPDFG	851.9672727
AQLNTTKPVGY	843.8066818
AQSNNTTKPIAQ	838.4099091
ASVNTTKPIAQ	837.1863636
AQLNTTKLTQQ	825.7218182
VSSNTTKPIAQ	817.4391364
AQLNTTKPQLQ	815.8386818
AQLNTTKPFAQ	807.354
AQLNTTKPLAQ	801.0644545
AVMNTTKPIAQ	800.7973182
AIENTTKPIAQ	800.1239091
AQLNTTKLHEQ	799.5287727
ANVNTTKPIAQ	795.2857273
AQLNTTKPDNN	794.1712273
AQLNTTKPQPV	788.2766818
PGLNTTKPIAQ	788.0997273
AQLNTTKQIAQ	784.6605
AQLNTTKAYTQ	781.7573636
AQLNTTKQTMQ	780.3616818
ETSNTTKPIAQ	777.1938182

FIG. 3 (continued)

AQLNTTKPMDQ	775.7212727
AQLNTTKPSLD	775.7197273
AQLNTTKPSDR	772.6024091
AQLNTTKTFEQ	771.2978182
AQLNTTKPYES	771.0865909
TTNNTTKPIAQ	759.6146818

FIG. 3 (continued)