

PPI network

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ADRB2	EGFR	9606.ENSF9606.ENSP00000275493
ADRB2	F2	9606.ENSF9606.ENSP00000308541
AKR1B1	AKR1C3	9606.ENSF9606.ENSP00000369927
AKR1C3	AR	9606.ENSF9606.ENSP00000363822
AKR1C3	CYP1A1	9606.ENSF9606.ENSP00000369050
AKR1C3	CYP1B1	9606.ENSF9606.ENSP00000478561
AKR1C3	CYP19A1	9606.ENSF9606.ENSP00000379683
AKT1	MAPK1	9606.ENSF9606.ENSP00000215832
AKT1	HMOX1	9606.ENSF9606.ENSP00000216117
AKT1	MMP2	9606.ENSF9606.ENSP00000219070
AKT1	SERPINE1	9606.ENSF9606.ENSP00000223095
AKT1	CCL2	9606.ENSF9606.ENSP00000225831
AKT1	HSPB1	9606.ENSF9606.ENSP00000248553
AKT1	ICAM1	9606.ENSF9606.ENSP00000264832
AKT1	ERBB3	9606.ENSF9606.ENSP00000267101
AKT1	RB1	9606.ENSF9606.ENSP00000267163
AKT1	TP53	9606.ENSF9606.ENSP00000269305
AKT1	SOD1	9606.ENSF9606.ENSP00000270142
AKT1	NCF1	9606.ENSF9606.ENSP00000289473
AKT1	BAX	9606.ENSF9606.ENSP00000293288
AKT1	VCAM1	9606.ENSF9606.ENSP00000294728
AKT1	NOS3	9606.ENSF9606.ENSP00000297494
AKT1	BCL2L1	9606.ENSF9606.ENSP00000302564
AKT1	FOS	9606.ENSF9606.ENSP00000306245
AKT1	CXCL8	9606.ENSF9606.ENSP00000306512
AKT1	CASP3	9606.ENSF9606.ENSP00000311032
AKT1	SLC2A4	9606.ENSF9606.ENSP00000320935
AKT1	HSPA5	9606.ENSF9606.ENSP00000324173
AKT1	GSK3B	9606.ENSF9606.ENSP00000324806
AKT1	NOS2	9606.ENSF9606.ENSP00000327251
AKT1	CASP9	9606.ENSF9606.ENSP00000330237
AKT1	HSP90AA	9606.ENSF9606.ENSP00000335153
AKT1	CAV1	9606.ENSF9606.ENSP00000339191
AKT1	ESR2	9606.ENSF9606.ENSP00000343925
AKT1	E2F1	9606.ENSF9606.ENSP00000345571
AKT1	FN1	9606.ENSF9606.ENSP00000346839
AKT1	CASP8	9606.ENSF9606.ENSP00000351273
AKT1	PTGS2	9606.ENSF9606.ENSP00000356438
AKT1	CD40LG	9606.ENSF9606.ENSP00000359663
AKT1	JUN	9606.ENSF9606.ENSP00000360266
AKT1	RUNX2	9606.ENSF9606.ENSP00000360493
AKT1	MMP9	9606.ENSF9606.ENSP00000361405
AKT1	AR	9606.ENSF9606.ENSP00000363822
AKT1	IGFBP3	9606.ENSF9606.ENSP00000370473
AKT1	SPP1	9606.ENSF9606.ENSP00000378517
AKT1	BCL2	9606.ENSF9606.ENSP00000381185
AKT1	CDKN1A	9606.ENSF9606.ENSP00000384849
AKT1	IGF2	9606.ENSF9606.ENSP00000391826
AKT1	ESR1	9606.ENSF9606.ENSP00000405330
AKT1	HIF1A	9606.ENSF9606.ENSP00000437955
AR	MAPK1	9606.ENSF9606.ENSP00000215832
AR	ERBB3	9606.ENSF9606.ENSP00000267101
AR	RB1	9606.ENSF9606.ENSP00000267163
AR	TP53	9606.ENSF9606.ENSP00000269305
AR	EGFR	9606.ENSF9606.ENSP00000275493

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AR	CASP3	9606.ENSF9606.ENSPO0000311032
AR	GSK3B	9606.ENSF9606.ENSPO0000324806
AR	PGR	9606.ENSF9606.ENSPO0000325120
AR	HSP90AA1	9606.ENSF9606.ENSPO0000335153
AR	CAV1	9606.ENSF9606.ENSPO0000339191
AR	NR3C2	9606.ENSF9606.ENSPO0000350815
AR	CASP8	9606.ENSF9606.ENSPO0000351273
AR	JUN	9606.ENSF9606.ENSPO0000360266
AR	RUNX2	9606.ENSF9606.ENSPO0000360493
AR	MMP9	9606.ENSF9606.ENSPO0000361405
AR	CYP19A1	9606.ENSF9606.ENSPO0000379683
AR	MAPK8	9606.ENSF9606.ENSPO0000378974
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BAX	CASP8	9606.ENSF9606.ENSPO0000351273
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BAX	MAPK8	9606.ENSF9606.ENSPO0000378974
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BAX	BCL2L1	9606.ENSF9606.ENSPO0000302564
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BCL2L1	CASP8	9606.ENSF9606.ENSPO0000351273
BIRC5	CDK2	9606.ENSF9606.ENSPO0000266970
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BIRC5	RASA1	9606.ENSF9606.ENSPO0000274376
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CASP9	JUN	9606.ENSF9606.ENSPO0000360266
CAV1	KDR	9606.ENSF9606.ENSPO0000263923
CAV1	TP53	9606.ENSF9606.ENSPO0000269305
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CAV1	PPARG	9606.ENSF9606.ENSPO0000287820
CAV1	NOS3	9606.ENSF9606.ENSPO0000297494
CAV1	GSK3B	9606.ENSF9606.ENSPO0000324806
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CAV1	PTGS2	9606.ENSF9606.ENSPO0000356438
CAV1	ESR1	9606.ENSF9606.ENSPO0000405330
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CCL2	MMP2	9606.ENSF9606.ENSPO0000219070
CCL2	SERPINE1	9606.ENSF9606.ENSPO0000223095
CCL2	IL1A	9606.ENSF9606.ENSPO0000263339
CCL2	IL6R	9606.ENSF9606.ENSPO0000357470
CCL2	TP53	9606.ENSF9606.ENSPO0000269305
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CCL2	IFNG	9606.ENSF9606.ENSPO0000229135
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CCL2	SPP1	9606.ENSF9606.ENSPO0000378517
CCL2	MAPK8	9606.ENSF9606.ENSPO0000378974
CCL2	MMP9	9606.ENSF9606.ENSPO0000361405
CCL2	PTGS2	9606.ENSF9606.ENSPO0000356438
CCL2	MMP1	9606.ENSF9606.ENSPO0000322788
CCL2	ICAM1	9606.ENSF9606.ENSPO0000264832
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CD40LG	IFNG	9606.ENSF9606.ENSPO0000229135
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CDK2	MAPK1	9606.ENSF9606.ENSPO0000215832
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CDK2	E2F1	9606.ENSF9606.ENSPO0000345571
CDK2	TP53	9606.ENSF9606.ENSPO0000269305
CDK2	RB1	9606.ENSF9606.ENSPO0000267163
CDK2	CDKN1A	9606.ENSF9606.ENSPO0000384849

CDKN1A	RB1	9606.ENSF9606.ENSPO0000267163
CDKN1A	TP53	9606.ENSF9606.ENSPO0000269305
CDKN1A	HSP90AA:	9606.ENSF9606.ENSPO0000335153
CDKN1A	E2F1	9606.ENSF9606.ENSPO0000345571
CDKN1A	JUN	9606.ENSF9606.ENSPO0000360266
CDKN1A	MAPK8	9606.ENSF9606.ENSPO0000378974
CDKN1A	ESR1	9606.ENSF9606.ENSPO0000405330
CDKN1A	HIF1A	9606.ENSF9606.ENSPO0000437955
COL3A1	MMP2	9606.ENSF9606.ENSPO0000219070
COL3A1	FN1	9606.ENSF9606.ENSPO0000346839
CXCL10	IFNG	9606.ENSF9606.ENSPO0000229135
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CXCL8	SERPINE1	9606.ENSF9606.ENSPO0000223095
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CXCL8	IL1A	9606.ENSF9606.ENSPO0000263339
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CXCL8	ICAM1	9606.ENSF9606.ENSPO0000264832
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F2	FN1	9606.ENSF9606.ENSPO0000346839
F2	SPP1	9606.ENSF9606.ENSPO0000378517
F2	PPARA	9606.ENSF9606.ENSPO0000385523
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F2	IGFBP3	9606.ENSF9606.ENSPO0000370473
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HSP90AA:	TP53	9606.ENSF9606.ENSPO0000269305
HSP90AA:	SOD1	9606.ENSF9606.ENSPO0000270142
HSP90AA:	NOS3	9606.ENSF9606.ENSPO0000297494
HSP90AA:	HSPA5	9606.ENSF9606.ENSPO0000324173
HSP90AA:	PGR	9606.ENSF9606.ENSPO0000325120
HSP90AA:	NOS2	9606.ENSF9606.ENSPO0000327251
HSP90AA:	MAPK8	9606.ENSF9606.ENSPO0000378974
HSP90AA:	PPARA	9606.ENSF9606.ENSPO0000385523
HSP90AA:	NR3C2	9606.ENSF9606.ENSPO0000350815
HSPA5	HSPB1	9606.ENSF9606.ENSPO0000248553

HSPA5	MAPK8	9606.ENSF9606.ENSP00000378974
HSPB1	MAPK1	9606.ENSF9606.ENSP00000215832
HSPB1	TP53	9606.ENSF9606.ENSP00000269305
ICAM1	MAPK1	9606.ENSF9606.ENSP00000215832
ICAM1	MMP2	9606.ENSF9606.ENSP00000219070
ICAM1	IFNG	9606.ENSF9606.ENSP00000229135
ICAM1	IRF1	9606.ENSF9606.ENSP00000245414
ICAM1	IL1A	9606.ENSF9606.ENSP00000263339
ICAM1	IL1B	9606.ENSF9606.ENSP00000263341
ICAM1	NOS3	9606.ENSF9606.ENSP00000297494
ICAM1	PTGS2	9606.ENSF9606.ENSP00000356438
ICAM1	PPARG	9606.ENSF9606.ENSP00000287820
ICAM1	SPP1	9606.ENSF9606.ENSP00000378517
ICAM1	TP53	9606.ENSF9606.ENSP00000269305
ICAM1	MMP9	9606.ENSF9606.ENSP00000361405
ICAM1	JUN	9606.ENSF9606.ENSP00000360266
ICAM1	MAPK8	9606.ENSF9606.ENSP00000378974
ICAM1	VCAM1	9606.ENSF9606.ENSP00000294728
IFNG	IL1A	9606.ENSF9606.ENSP00000263339
IFNG	MMP9	9606.ENSF9606.ENSP00000361405
IFNG	IL6R	9606.ENSF9606.ENSP00000357470
IFNG	NOS2	9606.ENSF9606.ENSP00000327251
IFNG	IL1B	9606.ENSF9606.ENSP00000263341
IFNG	JUN	9606.ENSF9606.ENSP00000360266
IFNG	IRF1	9606.ENSF9606.ENSP00000245414
IGF2	MMP2	9606.ENSF9606.ENSP00000219070
IGF2	SERPINE1	9606.ENSF9606.ENSP00000223095
IGF2	KDR	9606.ENSF9606.ENSP00000263923
IGF2	TP53	9606.ENSF9606.ENSP00000269305
IGF2	MMP1	9606.ENSF9606.ENSP00000322788
IGF2	IGFBP3	9606.ENSF9606.ENSP00000370473
IGFBP3	MMP2	9606.ENSF9606.ENSP00000219070
IGFBP3	TP53	9606.ENSF9606.ENSP00000269305
IGFBP3	PPARG	9606.ENSF9606.ENSP00000287820
IGFBP3	MMP1	9606.ENSF9606.ENSP00000322788
IGFBP3	MAPK8	9606.ENSF9606.ENSP00000378974
IGFBP3	SPP1	9606.ENSF9606.ENSP00000378517
IL1A	VCAM1	9606.ENSF9606.ENSP00000294728
IL1A	MMP1	9606.ENSF9606.ENSP00000322788
IL1A	PTGS2	9606.ENSF9606.ENSP00000356438
IL1A	JUN	9606.ENSF9606.ENSP00000360266
IL1A	IL1B	9606.ENSF9606.ENSP00000263341
IL1B	MAPK1	9606.ENSF9606.ENSP00000215832
IL1B	MMP2	9606.ENSF9606.ENSP00000219070
IL1B	IRF1	9606.ENSF9606.ENSP00000245414
IL1B	SPP1	9606.ENSF9606.ENSP00000378517
IL1B	NOS3	9606.ENSF9606.ENSP00000297494
IL1B	MAPK8	9606.ENSF9606.ENSP00000378974
IL1B	PPARG	9606.ENSF9606.ENSP00000287820
IL1B	NOS2	9606.ENSF9606.ENSP00000327251
IL1B	MMP1	9606.ENSF9606.ENSP00000322788
IL1B	VCAM1	9606.ENSF9606.ENSP00000294728
IL1B	MMP9	9606.ENSF9606.ENSP00000361405
IL1B	JUN	9606.ENSF9606.ENSP00000360266
IL1B	PTGS2	9606.ENSF9606.ENSP00000356438
IL6R	MAPK1	9606.ENSF9606.ENSP00000215832
IRF1	NOS2	9606.ENSF9606.ENSP00000327251
IRF1	TP53	9606.ENSF9606.ENSP00000269305

IRF1	JUN	9606.ENSF9606.ENSPO0000360266
IRF1	VCAM1	9606.ENSF9606.ENSPO0000294728
JUN	MAPK1	9606.ENSF9606.ENSPO0000215832
JUN	RB1	9606.ENSF9606.ENSPO0000267163
JUN	TP53	9606.ENSF9606.ENSPO0000269305
JUN	PPARG	9606.ENSF9606.ENSPO0000287820
JUN	NOS3	9606.ENSF9606.ENSPO0000297494
JUN	MMP1	9606.ENSF9606.ENSPO0000322788
JUN	NOS2	9606.ENSF9606.ENSPO0000327251
JUN	PTGS2	9606.ENSF9606.ENSPO0000356438
JUN	MMP9	9606.ENSF9606.ENSPO0000361405
JUN	PPARA	9606.ENSF9606.ENSPO0000385523
JUN	MAPK8	9606.ENSF9606.ENSPO0000378974
KDR	TP53	9606.ENSF9606.ENSPO0000269305
KDR	NOS3	9606.ENSF9606.ENSPO0000297494
MAPK1	NCF1	9606.ENSF9606.ENSPO0000289473
MAPK1	MMP1	9606.ENSF9606.ENSPO0000322788
MAPK1	NOS3	9606.ENSF9606.ENSPO0000297494
MAPK1	MMP2	9606.ENSF9606.ENSPO0000219070
MAPK1	PTGS2	9606.ENSF9606.ENSPO0000356438
MAPK1	MMP9	9606.ENSF9606.ENSPO0000361405
MAPK1	RASA1	9606.ENSF9606.ENSPO0000274376
MAPK1	MAPK8	9606.ENSF9606.ENSPO0000378974
MAPK1	PPARA	9606.ENSF9606.ENSPO0000385523
MAPK1	RB1	9606.ENSF9606.ENSPO0000267163
MAPK1	PGR	9606.ENSF9606.ENSPO0000325120
MAPK1	RUNX2	9606.ENSF9606.ENSPO0000360493
MAPK1	TP53	9606.ENSF9606.ENSPO0000269305
MAPK8	MMP2	9606.ENSF9606.ENSPO0000219070
MAPK8	SERPINE1	9606.ENSF9606.ENSPO0000223095
MAPK8	TP53	9606.ENSF9606.ENSPO0000269305
MAPK8	SOD1	9606.ENSF9606.ENSPO0000270142
MAPK8	RASA1	9606.ENSF9606.ENSPO0000274376
MAPK8	PPARG	9606.ENSF9606.ENSPO0000287820
MAPK8	VCAM1	9606.ENSF9606.ENSPO0000294728
MAPK8	SLC2A4	9606.ENSF9606.ENSPO0000320935
MAPK8	MMP1	9606.ENSF9606.ENSPO0000322788
MAPK8	PGR	9606.ENSF9606.ENSPO0000325120
MAPK8	PTGS2	9606.ENSF9606.ENSPO0000356438
MAPK8	RUNX2	9606.ENSF9606.ENSPO0000360493
MAPK8	MMP9	9606.ENSF9606.ENSPO0000361405
MMP1	MMP2	9606.ENSF9606.ENSPO0000219070
MMP1	TP53	9606.ENSF9606.ENSPO0000269305
MMP1	MMP9	9606.ENSF9606.ENSPO0000361405
MMP2	PTGS2	9606.ENSF9606.ENSPO0000356438
MMP2	SERPINE1	9606.ENSF9606.ENSPO0000223095
MMP2	SPP1	9606.ENSF9606.ENSPO0000378517
MMP2	TP53	9606.ENSF9606.ENSPO0000269305
MMP2	NCF1	9606.ENSF9606.ENSPO0000289473
MMP2	MMP9	9606.ENSF9606.ENSPO0000361405
MMP9	PLAT	9606.ENSF9606.ENSPO0000220809
MMP9	SERPINE1	9606.ENSF9606.ENSPO0000223095
MMP9	TP53	9606.ENSF9606.ENSPO0000269305
MMP9	PPARG	9606.ENSF9606.ENSPO0000287820
MMP9	NCF1	9606.ENSF9606.ENSPO0000289473
MMP9	NOS3	9606.ENSF9606.ENSPO0000297494
MMP9	PTGS2	9606.ENSF9606.ENSPO0000356438
MMP9	RUNX2	9606.ENSF9606.ENSPO0000360493

MMP9	SPP1	9606.ENSF9606.ENSP00000378517
NCF1	VCAM1	9606.ENSF9606.ENSP00000294728
NOS2	NOS3	9606.ENSF9606.ENSP00000297494
NOS2	PTGS2	9606.ENSF9606.ENSP00000356438
NOS2	PPARA	9606.ENSF9606.ENSP00000385523
NOS3	TP53	9606.ENSF9606.ENSP00000269305
NOS3	PPARG	9606.ENSF9606.ENSP00000287820
NOS3	VCAM1	9606.ENSF9606.ENSP00000294728
NOS3	PTGS2	9606.ENSF9606.ENSP00000356438
NQO1	ODC1	9606.ENSF9606.ENSP00000234111
NQO1	TP53	9606.ENSF9606.ENSP00000269305
NR3C2	PGR	9606.ENSF9606.ENSP00000325120
PGR	RB1	9606.ENSF9606.ENSP00000267163
PGR	TP53	9606.ENSF9606.ENSP00000269305
PLAT	THBD	9606.ENSF9606.ENSP00000366307
PLAT	SERPINE1	9606.ENSF9606.ENSP00000223095
PPARA	RB1	9606.ENSF9606.ENSP00000267163
PPARG	SERPINE1	9606.ENSF9606.ENSP00000223095
PPARG	RB1	9606.ENSF9606.ENSP00000267163
PPARG	TP53	9606.ENSF9606.ENSP00000269305
PPARG	RUNX2	9606.ENSF9606.ENSP00000360493
PPARG	PTGS2	9606.ENSF9606.ENSP00000356438
PPARG	SLC2A4	9606.ENSF9606.ENSP00000320935
PTGS2	TP53	9606.ENSF9606.ENSP00000269305
PTGS2	VCAM1	9606.ENSF9606.ENSP00000294728
RB1	RUNX2	9606.ENSF9606.ENSP00000360493
RB1	TP53	9606.ENSF9606.ENSP00000269305
RUNX2	TP53	9606.ENSF9606.ENSP00000269305
RUNX2	SPP1	9606.ENSF9606.ENSP00000378517
SERPINE1	THBD	9606.ENSF9606.ENSP00000366307
SERPINE1	TP53	9606.ENSF9606.ENSP00000269305
SPP1	TP53	9606.ENSF9606.ENSP00000269305
TOP2A	TP53	9606.ENSF9606.ENSP00000269305

GO analysis

ONTOLOCID	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	Count	
BP	GO:00100	25/88	364/18670	1.54E-22	5.39E-19	2.57E-19	25
BP	GO:00324	24/88	330/18670	3.17E-22	5.56E-19	2.65E-19	24
BP	GO:00022	24/88	343/18670	7.94E-22	9.27E-19	4.42E-19	24
BP	GO:00725	21/88	284/18670	1.27E-19	1.11E-16	5.32E-17	21
BP	GO:00316	25/88	499/18670	3.30E-19	2.31E-16	1.10E-16	25
BP	GO:00709	22/88	348/18670	4.56E-19	2.66E-16	1.27E-16	22
BP	GO:00971	19/88	224/18670	6.32E-19	3.16E-16	1.51E-16	19
BP	GO:20012	23/88	406/18670	7.38E-19	3.23E-16	1.54E-16	23
BP	GO:00486	23/88	431/18670	2.78E-18	1.08E-15	5.16E-16	23
BP	GO:00614	23/88	434/18670	3.24E-18	1.14E-15	5.41E-16	23
BP	GO:00345	20/88	302/18670	9.15E-18	2.91E-15	1.39E-15	20
BP	GO:00712	11/88	37/18670	1.03E-17	3.02E-15	1.44E-15	11
BP	GO:00447	18/88	222/18670	1.31E-17	3.52E-15	1.68E-15	18
BP	GO:19012	20/88	313/18670	1.84E-17	4.61E-15	2.20E-15	20
BP	GO:00075	17/88	192/18670	2.55E-17	5.95E-15	2.84E-15	17
BP	GO:00003	18/88	232/18670	2.88E-17	6.30E-15	3.00E-15	18
BP	GO:00485	21/88	385/18670	6.53E-17	1.35E-14	6.42E-15	21
BP	GO:00714	20/88	339/18670	8.71E-17	1.69E-14	8.08E-15	20
BP	GO:00704	21/88	394/18670	1.04E-16	1.92E-14	9.16E-15	21
BP	GO:00069	22/88	451/18670	1.12E-16	1.96E-14	9.37E-15	22
BP	GO:20012	17/88	230/18670	5.41E-16	9.02E-14	4.30E-14	17
BP	GO:20003	16/88	195/18670	8.08E-16	1.27E-13	6.05E-14	16

BP	GO:00712 17/88	236/1867C	8.33E-16	1.27E-13	6.05E-14	17
BP	GO:00092 17/88	243/1867C	1.36E-15	1.98E-13	9.45E-14	17
BP	GO:00346 15/88	168/1867C	1.96E-15	2.74E-13	1.31E-13	15
BP	GO:00016 19/88	359/1867C	4.12E-15	5.55E-13	2.65E-13	19
BP	GO:00712 16/88	217/1867C	4.40E-15	5.71E-13	2.72E-13	16
BP	GO:00466 11/88	63/18670	6.74E-15	8.44E-13	4.02E-13	11
BP	GO:00362 19/88	370/1867C	7.13E-15	8.61E-13	4.11E-13	19
BP	GO:00466 18/88	327/1867C	1.20E-14	1.40E-12	6.65E-13	18
BP	GO:00712 15/88	190/1867C	1.23E-14	1.40E-12	6.65E-13	15
BP	GO:19016 15/88	193/1867C	1.56E-14	1.71E-12	8.14E-13	15
BP	GO:19034 13/88	122/1867C	1.64E-14	1.74E-12	8.29E-13	13
BP	GO:00093 20/88	448/1867C	1.80E-14	1.85E-12	8.85E-13	20
BP	GO:00514 16/88	239/1867C	2.01E-14	2.01E-12	9.58E-13	16
BP	GO:00971 17/88	289/1867C	2.40E-14	2.34E-12	1.11E-12	17
BP	GO:00620 20/88	459/1867C	2.84E-14	2.69E-12	1.28E-12	20
BP	GO:00485 17/88	295/1867C	3.37E-14	3.10E-12	1.48E-12	17
BP	GO:00486 14/88	169/1867C	5.18E-14	4.64E-12	2.21E-12	14
BP	GO:20003 12/88	102/1867C	5.30E-14	4.64E-12	2.21E-12	12
BP	GO:00486 14/88	171/1867C	6.10E-14	5.21E-12	2.49E-12	14
BP	GO:00068 11/88	77/18670	6.94E-14	5.79E-12	2.76E-12	11
BP	GO:00510 18/88	373/1867C	1.16E-13	9.42E-12	4.49E-12	18
BP	GO:00506 19/88	434/1867C	1.26E-13	1.00E-11	4.79E-12	19
BP	GO:00462 11/88	82/18670	1.43E-13	1.11E-11	5.30E-12	11
BP	GO:20010 11/88	85/18670	2.15E-13	1.64E-11	7.80E-12	11
BP	GO:00330 15/88	239/1867C	3.62E-13	2.70E-11	1.29E-11	15
BP	GO:00421 19/88	464/1867C	4.14E-13	3.02E-11	1.44E-11	19
BP	GO:00712 14/88	205/1867C	7.47E-13	5.34E-11	2.55E-11	14
BP	GO:00085 11/88	96/18670	8.52E-13	5.97E-11	2.85E-11	11
BP	GO:00435 14/88	210/1867C	1.04E-12	7.13E-11	3.40E-11	14
BP	GO:00712 14/88	212/1867C	1.18E-12	7.96E-11	3.80E-11	14
BP	GO:00380 10/88	72/18670	1.35E-12	8.76E-11	4.18E-11	10
BP	GO:00971 10/88	72/18670	1.35E-12	8.76E-11	4.18E-11	10
BP	GO:00465 11/88	101/1867C	1.51E-12	9.60E-11	4.58E-11	11
BP	GO:00316 15/88	268/1867C	1.90E-12	1.19E-10	5.65E-11	15
BP	GO:00094 13/88	176/1867C	1.93E-12	1.19E-10	5.65E-11	13
BP	GO:20012 11/88	104/1867C	2.09E-12	1.26E-10	6.02E-11	11
BP	GO:00421 11/88	106/1867C	2.59E-12	1.54E-10	7.32E-11	11
BP	GO:00712 16/88	331/1867C	3.03E-12	1.74E-10	8.30E-11	16
BP	GO:01040 16/88	331/1867C	3.03E-12	1.74E-10	8.30E-11	16
BP	GO:00973 14/88	233/1867C	4.27E-12	2.41E-10	1.15E-10	14
BP	GO:00011 16/88	343/1867C	5.20E-12	2.89E-10	1.38E-10	16
BP	GO:00481 10/88	83/18670	5.88E-12	3.22E-10	1.53E-10	10
BP	GO:00466 11/88	115/1867C	6.40E-12	3.45E-10	1.64E-10	11
BP	GO:00481 10/88	84/18670	6.65E-12	3.53E-10	1.68E-10	10
BP	GO:20012 12/88	155/1867C	8.32E-12	4.35E-10	2.08E-10	12
BP	GO:19030 15/88	304/1867C	1.16E-11	5.97E-10	2.85E-10	15
BP	GO:00086 11/88	124/1867C	1.47E-11	7.46E-10	3.56E-10	11
BP	GO:19012 13/88	208/1867C	1.61E-11	8.07E-10	3.85E-10	13
BP	GO:00601 9/88	64/18670	1.68E-11	8.30E-10	3.96E-10	9
BP	GO:19016 10/88	93/18670	1.88E-11	9.14E-10	4.36E-10	10
BP	GO:19012 10/88	94/18670	2.09E-11	1.01E-09	4.79E-10	10
BP	GO:00506 16/88	378/1867C	2.23E-11	1.06E-09	5.04E-10	16
BP	GO:00511 12/88	169/1867C	2.31E-11	1.08E-09	5.15E-10	12
BP	GO:00075 15/88	321/1867C	2.51E-11	1.16E-09	5.51E-10	15
BP	GO:00084 13/88	217/1867C	2.75E-11	1.25E-09	5.96E-10	13
BP	GO:00075 13/88	219/1867C	3.08E-11	1.38E-09	6.60E-10	13
BP	GO:00451 13/88	223/1867C	3.87E-11	1.71E-09	8.18E-10	13
BP	GO:00071 15/88	337/1867C	4.98E-11	2.18E-09	1.04E-09	15

BP	GO:00108	12/88	182/1867C	5.51E-11	2.39E-09	1.14E-09	12
BP	GO:19040	13/88	230/1867C	5.69E-11	2.43E-09	1.16E-09	13
BP	GO:00352	11/88	143/1867C	6.98E-11	2.88E-09	1.37E-09	11
BP	GO:00508	11/88	143/1867C	6.98E-11	2.88E-09	1.37E-09	11
BP	GO:00977	11/88	143/1867C	6.98E-11	2.88E-09	1.37E-09	11
BP	GO:00351	11/88	144/1867C	7.53E-11	3.07E-09	1.46E-09	11
BP	GO:00063	12/88	188/1867C	8.05E-11	3.24E-09	1.55E-09	12
BP	GO:00316	13/88	237/1867C	8.27E-11	3.29E-09	1.57E-09	13
BP	GO:00106	15/88	351/1867C	8.81E-11	3.47E-09	1.65E-09	15
BP	GO:00160	17/88	484/1867C	9.19E-11	3.57E-09	1.70E-09	17
BP	GO:00015	16/88	416/1867C	9.27E-11	3.57E-09	1.70E-09	16
BP	GO:00102	11/88	147/1867C	9.41E-11	3.57E-09	1.70E-09	11
BP	GO:00488	17/88	485/1867C	9.48E-11	3.57E-09	1.70E-09	17
BP	GO:00901	15/88	354/1867C	9.93E-11	3.70E-09	1.76E-09	15
BP	GO:19040	10/88	111/1867C	1.12E-10	4.13E-09	1.97E-09	10
BP	GO:19013	16/88	422/1867C	1.14E-10	4.18E-09	1.99E-09	16
BP	GO:00901	15/88	360/1867C	1.26E-10	4.53E-09	2.16E-09	15
BP	GO:00018	11/88	152/1867C	1.35E-10	4.83E-09	2.30E-09	11
BP	GO:00421	11/88	153/1867C	1.45E-10	5.08E-09	2.42E-09	11
BP	GO:00620	11/88	153/1867C	1.45E-10	5.08E-09	2.42E-09	11
BP	GO:00509	17/88	499/1867C	1.47E-10	5.11E-09	2.44E-09	17
BP	GO:00063	13/88	249/1867C	1.53E-10	5.24E-09	2.50E-09	13
BP	GO:00713	13/88	250/1867C	1.60E-10	5.44E-09	2.59E-09	13
BP	GO:00510	16/88	432/1867C	1.62E-10	5.44E-09	2.59E-09	16
BP	GO:00487	16/88	434/1867C	1.73E-10	5.77E-09	2.75E-09	16
BP	GO:00356	15/88	369/1867C	1.77E-10	5.85E-09	2.79E-09	15
BP	GO:00108	10/88	117/1867C	1.89E-10	6.20E-09	2.96E-09	10
BP	GO:00457	12/88	204/1867C	2.08E-10	6.74E-09	3.22E-09	12
BP	GO:19010	7/88	35/18670	2.45E-10	7.87E-09	3.75E-09	7
BP	GO:00096	12/88	210/1867C	2.90E-10	9.25E-09	4.41E-09	12
BP	GO:00457	15/88	383/1867C	2.97E-10	9.38E-09	4.47E-09	15
BP	GO:20012	11/88	165/1867C	3.27E-10	1.02E-08	4.88E-09	11
BP	GO:00075	13/88	270/1867C	4.15E-10	1.28E-08	6.12E-09	13
BP	GO:00016	16/88	461/1867C	4.18E-10	1.28E-08	6.12E-09	16
BP	GO:19030	12/88	218/1867C	4.47E-10	1.36E-08	6.49E-09	12
BP	GO:00018	16/88	464/1867C	4.59E-10	1.39E-08	6.61E-09	16
BP	GO:00106	11/88	171/1867C	4.79E-10	1.43E-08	6.84E-09	11
BP	GO:00030	11/88	173/1867C	5.42E-10	1.61E-08	7.68E-09	11
BP	GO:00224	15/88	403/1867C	6.00E-10	1.75E-08	8.35E-09	15
BP	GO:00457	15/88	403/1867C	6.00E-10	1.75E-08	8.35E-09	15
BP	GO:00327	8/88	64/18670	6.28E-10	1.82E-08	8.68E-09	8
BP	GO:20012	11/88	179/1867C	7.80E-10	2.24E-08	1.07E-08	11
BP	GO:00714	12/88	234/1867C	1.00E-09	2.86E-08	1.36E-08	12
BP	GO:20000	11/88	184/1867C	1.05E-09	2.95E-08	1.41E-08	11
BP	GO:00486	9/88	101/1867C	1.11E-09	3.10E-08	1.48E-08	9
BP	GO:00094	10/88	141/1867C	1.20E-09	3.32E-08	1.59E-08	10
BP	GO:00320	9/88	103/1867C	1.32E-09	3.64E-08	1.74E-08	9
BP	GO:19010	7/88	44/18670	1.35E-09	3.69E-08	1.76E-08	7
BP	GO:00321	14/88	365/1867C	1.62E-09	4.39E-08	2.09E-08	14
BP	GO:00301	14/88	368/1867C	1.79E-09	4.81E-08	2.29E-08	14
BP	GO:00435	10/88	147/1867C	1.80E-09	4.81E-08	2.29E-08	10
BP	GO:00602	15/88	437/1867C	1.82E-09	4.83E-08	2.30E-08	15
BP	GO:00069	7/88	47/18670	2.19E-09	5.72E-08	2.73E-08	7
BP	GO:00616	7/88	47/18670	2.19E-09	5.72E-08	2.73E-08	7
BP	GO:00346	13/88	312/1867C	2.41E-09	6.26E-08	2.99E-08	13
BP	GO:00469	8/88	76/18670	2.56E-09	6.59E-08	3.14E-08	8
BP	GO:00508	13/88	314/1867C	2.61E-09	6.66E-08	3.18E-08	13
BP	GO:00224	12/88	255/1867C	2.67E-09	6.77E-08	3.23E-08	12

BP	GO:19028 11/88	202/18670	2.80E-09	7.06E-08	3.37E-08	11
BP	GO:00512 7/88	49/18670	2.97E-09	7.42E-08	3.54E-08	7
BP	GO:19049 15/88	456/18670	3.24E-09	8.05E-08	3.84E-08	15
BP	GO:00321 13/88	323/18670	3.66E-09	9.04E-08	4.31E-08	13
BP	GO:19038 13/88	324/18670	3.80E-09	9.27E-08	4.42E-08	13
BP	GO:00076 11/88	208/18670	3.81E-09	9.27E-08	4.42E-08	11
BP	GO:00075 7/88	51/18670	3.97E-09	9.45E-08	4.51E-08	7
BP	GO:00481 7/88	51/18670	3.97E-09	9.45E-08	4.51E-08	7
BP	GO:00509 7/88	51/18670	3.97E-09	9.45E-08	4.51E-08	7
BP	GO:00082 13/88	331/18670	4.92E-09	1.16E-07	5.55E-08	13
BP	GO:00018 6/88	30/18670	5.00E-09	1.18E-07	5.61E-08	6
BP	GO:00433 11/88	217/18670	5.93E-09	1.38E-07	6.59E-08	11
BP	GO:00343 5/88	15/18670	6.00E-09	1.38E-07	6.59E-08	5
BP	GO:00973 7/88	54/18670	6.00E-09	1.38E-07	6.59E-08	7
BP	GO:00025 11/88	220/18670	6.85E-09	1.57E-07	7.47E-08	11
BP	GO:00086 8/88	86/18670	6.93E-09	1.57E-07	7.47E-08	8
BP	GO:00905 8/88	86/18670	6.93E-09	1.57E-07	7.47E-08	8
BP	GO:00192 14/88	410/18670	7.14E-09	1.60E-07	7.65E-08	14
BP	GO:00507 15/88	485/18670	7.44E-09	1.65E-07	7.87E-08	15
BP	GO:00512 15/88	485/18670	7.44E-09	1.65E-07	7.87E-08	15
BP	GO:00103 7/88	56/18670	7.80E-09	1.72E-07	8.19E-08	7
BP	GO:00486 13/88	347/18670	8.64E-09	1.89E-07	9.02E-08	13
BP	GO:00512 6/88	33/18670	9.22E-09	2.01E-07	9.57E-08	6
BP	GO:00018 11/88	227/18670	9.48E-09	2.05E-07	9.78E-08	11
BP	GO:00316 7/88	58/18670	1.00E-08	2.16E-07	1.03E-07	7
BP	GO:00430 14/88	422/18670	1.03E-08	2.20E-07	1.05E-07	14
BP	GO:00015 13/88	354/18670	1.10E-08	2.33E-07	1.11E-07	13
BP	GO:00018 7/88	59/18670	1.13E-08	2.39E-07	1.14E-07	7
BP	GO:00106 12/88	291/18670	1.17E-08	2.46E-07	1.17E-07	12
BP	GO:00487 10/88	179/18670	1.21E-08	2.50E-07	1.19E-07	10
BP	GO:19030 10/88	179/18670	1.21E-08	2.50E-07	1.19E-07	10
BP	GO:00094 12/88	292/18670	1.22E-08	2.51E-07	1.20E-07	12
BP	GO:19021 7/88	60/18670	1.28E-08	2.62E-07	1.25E-07	7
BP	GO:00070 9/88	134/18670	1.36E-08	2.78E-07	1.32E-07	9
BP	GO:00082 10/88	182/18670	1.41E-08	2.87E-07	1.37E-07	10
BP	GO:00900 12/88	298/18670	1.53E-08	3.07E-07	1.47E-07	12
BP	GO:00181 12/88	299/18670	1.58E-08	3.17E-07	1.51E-07	12
BP	GO:19026 7/88	62/18670	1.62E-08	3.22E-07	1.53E-07	7
BP	GO:00346 9/88	137/18670	1.66E-08	3.28E-07	1.56E-07	9
BP	GO:19054 10/88	187/18670	1.83E-08	3.61E-07	1.72E-07	10
BP	GO:00357 7/88	64/18670	2.03E-08	3.97E-07	1.89E-07	7
BP	GO:00421 11/88	248/18670	2.37E-08	4.61E-07	2.20E-07	11
BP	GO:00308 9/88	143/18670	2.41E-08	4.66E-07	2.22E-07	9
BP	GO:00459 11/88	249/18670	2.47E-08	4.75E-07	2.26E-07	11
BP	GO:00454 7/88	66/18670	2.52E-08	4.77E-07	2.28E-07	7
BP	GO:19021 7/88	66/18670	2.52E-08	4.77E-07	2.28E-07	7
BP	GO:19057 7/88	66/18670	2.52E-08	4.77E-07	2.28E-07	7
BP	GO:00026 13/88	380/18670	2.54E-08	4.78E-07	2.28E-07	13
BP	GO:19020 6/88	39/18670	2.66E-08	4.98E-07	2.37E-07	6
BP	GO:00094 12/88	314/18670	2.72E-08	5.07E-07	2.42E-07	12
BP	GO:00421 7/88	67/18670	2.80E-08	5.20E-07	2.48E-07	7
BP	GO:00026 10/88	196/18670	2.87E-08	5.28E-07	2.52E-07	10
BP	GO:00551 9/88	146/18670	2.88E-08	5.29E-07	2.52E-07	9
BP	GO:00086 8/88	104/18670	3.14E-08	5.73E-07	2.73E-07	8
BP	GO:00610 9/88	148/18670	3.25E-08	5.89E-07	2.81E-07	9
BP	GO:00426 7/88	69/18670	3.45E-08	6.23E-07	2.97E-07	7
BP	GO:00182 12/88	322/18670	3.59E-08	6.45E-07	3.08E-07	12
BP	GO:19028 6/88	41/18670	3.63E-08	6.49E-07	3.10E-07	6

BP	GO:00508 10/88	202/18670	3.81E-08	6.78E-07	3.23E-07	10
BP	GO:00508 13/88	394/18670	3.88E-08	6.86E-07	3.27E-07	13
BP	GO:00513 8/88	107/18670	3.93E-08	6.91E-07	3.30E-07	8
BP	GO:00105 12/88	327/18670	4.25E-08	7.45E-07	3.55E-07	12
BP	GO:00015 13/88	398/18670	4.36E-08	7.61E-07	3.63E-07	13
BP	GO:00611 7/88	72/18670	4.66E-08	8.08E-07	3.85E-07	7
BP	GO:00020 10/88	207/18670	4.81E-08	8.25E-07	3.93E-07	10
BP	GO:00714 10/88	207/18670	4.81E-08	8.25E-07	3.93E-07	10
BP	GO:00086 6/88	43/18670	4.89E-08	8.31E-07	3.96E-07	6
BP	GO:00454 6/88	43/18670	4.89E-08	8.31E-07	3.96E-07	6
BP	GO:00712 10/88	209/18670	5.26E-08	8.90E-07	4.25E-07	10
BP	GO:00512 12/88	334/18670	5.36E-08	9.03E-07	4.31E-07	12
BP	GO:00434 11/88	269/18670	5.44E-08	9.11E-07	4.35E-07	11
BP	GO:19044 6/88	44/18670	5.64E-08	9.41E-07	4.49E-07	6
BP	GO:00075 12/88	336/18670	5.73E-08	9.51E-07	4.53E-07	12
BP	GO:00466 11/88	272/18670	6.09E-08	1.01E-06	4.80E-07	11
BP	GO:00329 11/88	274/18670	6.56E-08	1.08E-06	5.14E-07	11
BP	GO:00075 12/88	341/18670	6.73E-08	1.10E-06	5.25E-07	12
BP	GO:00508 12/88	342/18670	6.95E-08	1.13E-06	5.40E-07	12
BP	GO:00319 9/88	162/18670	7.10E-08	1.15E-06	5.49E-07	9
BP	GO:00362 10/88	217/18670	7.49E-08	1.20E-06	5.74E-07	10
BP	GO:00509 10/88	217/18670	7.49E-08	1.20E-06	5.74E-07	10
BP	GO:00000 11/88	279/18670	7.88E-08	1.26E-06	6.01E-07	11
BP	GO:00301 7/88	79/18670	8.93E-08	1.41E-06	6.72E-07	7
BP	GO:00435 7/88	79/18670	8.93E-08	1.41E-06	6.72E-07	7
BP	GO:00712 7/88	79/18670	8.93E-08	1.41E-06	6.72E-07	7
BP	GO:19000 7/88	80/18670	9.75E-08	1.53E-06	7.29E-07	7
BP	GO:00513 11/88	285/18670	9.77E-08	1.53E-06	7.29E-07	11
BP	GO:19054 8/88	122/18670	1.10E-07	1.70E-06	8.10E-07	8
BP	GO:00350 6/88	49/18670	1.10E-07	1.70E-06	8.10E-07	6
BP	GO:00420 11/88	290/18670	1.17E-07	1.80E-06	8.57E-07	11
BP	GO:00094 6/88	50/18670	1.24E-07	1.90E-06	9.05E-07	6
BP	GO:00511 8/88	124/18670	1.24E-07	1.90E-06	9.05E-07	8
BP	GO:00313 12/88	361/18670	1.25E-07	1.90E-06	9.05E-07	12
BP	GO:00069 7/88	83/18670	1.26E-07	1.90E-06	9.05E-07	7
BP	GO:19007 5/88	26/18670	1.26E-07	1.90E-06	9.05E-07	5
BP	GO:19007 5/88	26/18670	1.26E-07	1.90E-06	9.05E-07	5
BP	GO:20001 8/88	125/18670	1.32E-07	1.98E-06	9.45E-07	8
BP	GO:00508 7/88	84/18670	1.37E-07	2.04E-06	9.73E-07	7
BP	GO:00424 10/88	232/18670	1.40E-07	2.08E-06	9.90E-07	10
BP	GO:00068 12/88	365/18670	1.41E-07	2.08E-06	9.92E-07	12
BP	GO:00019 9/88	176/18670	1.44E-07	2.13E-06	1.01E-06	9
BP	GO:00448 11/88	298/18670	1.53E-07	2.24E-06	1.07E-06	11
BP	GO:00706 11/88	298/18670	1.53E-07	2.24E-06	1.07E-06	11
BP	GO:00705 7/88	86/18670	1.61E-07	2.34E-06	1.12E-06	7
BP	GO:00714 9/88	180/18670	1.75E-07	2.53E-06	1.21E-06	9
BP	GO:00105 9/88	181/18670	1.83E-07	2.64E-06	1.26E-06	9
BP	GO:00603 11/88	304/18670	1.87E-07	2.69E-06	1.28E-06	11
BP	GO:00971 7/88	88/18670	1.89E-07	2.69E-06	1.28E-06	7
BP	GO:19040 7/88	88/18670	1.89E-07	2.69E-06	1.28E-06	7
BP	GO:19028 8/88	131/18670	1.90E-07	2.69E-06	1.28E-06	8
BP	GO:00525 13/88	452/18670	1.91E-07	2.69E-06	1.28E-06	13
BP	GO:19046 6/88	54/18670	1.99E-07	2.80E-06	1.33E-06	6
BP	GO:00420 9/88	184/18670	2.11E-07	2.94E-06	1.40E-06	9
BP	GO:00434 9/88	184/18670	2.11E-07	2.94E-06	1.40E-06	9
BP	GO:19030 7/88	90/18670	2.21E-07	3.06E-06	1.46E-06	7
BP	GO:00106 4/88	12/18670	2.22E-07	3.06E-06	1.46E-06	4
BP	GO:00015 6/88	55/18670	2.22E-07	3.06E-06	1.46E-06	6

BP	GO:00105 5/88	29/18670	2.25E-07	3.09E-06	1.48E-06	5
BP	GO:00485 8/88	134/18670	2.26E-07	3.10E-06	1.48E-06	8
BP	GO:00303 9/88	186/18670	2.31E-07	3.15E-06	1.50E-06	9
BP	GO:00066 12/88	383/18670	2.36E-07	3.21E-06	1.53E-06	12
BP	GO:00509 8/88	135/18670	2.40E-07	3.24E-06	1.55E-06	8
BP	GO:19016 12/88	385/18670	2.50E-07	3.36E-06	1.60E-06	12
BP	GO:00726 8/88	137/18670	2.69E-07	3.60E-06	1.72E-06	8
BP	GO:00435 6/88	57/18670	2.76E-07	3.67E-06	1.75E-06	6
BP	GO:19034 6/88	57/18670	2.76E-07	3.67E-06	1.75E-06	6
BP	GO:00332 7/88	93/18670	2.77E-07	3.67E-06	1.75E-06	7
BP	GO:00457 12/88	389/18670	2.79E-07	3.69E-06	1.76E-06	12
BP	GO:00019 9/88	191/18670	2.90E-07	3.80E-06	1.81E-06	9
BP	GO:00425 9/88	191/18670	2.90E-07	3.80E-06	1.81E-06	9
BP	GO:00331 8/88	139/18670	3.00E-07	3.92E-06	1.87E-06	8
BP	GO:00327 6/88	58/18670	3.07E-07	3.98E-06	1.90E-06	6
BP	GO:19020 6/88	58/18670	3.07E-07	3.98E-06	1.90E-06	6
BP	GO:00109 12/88	394/18670	3.20E-07	4.13E-06	1.97E-06	12
BP	GO:00705 8/88	141/18670	3.35E-07	4.31E-06	2.06E-06	8
BP	GO:00977 6/88	59/18670	3.40E-07	4.35E-06	2.07E-06	6
BP	GO:20003 6/88	59/18670	3.40E-07	4.35E-06	2.07E-06	6
BP	GO:00068 10/88	256/18670	3.48E-07	4.43E-06	2.11E-06	10
BP	GO:00159 7/88	97/18670	3.70E-07	4.69E-06	2.24E-06	7
BP	GO:00108 12/88	400/18670	3.76E-07	4.75E-06	2.27E-06	12
BP	GO:00459 5/88	32/18670	3.78E-07	4.76E-06	2.27E-06	5
BP	GO:20012 7/88	98/18670	3.97E-07	4.98E-06	2.37E-06	7
BP	GO:20012 6/88	61/18670	4.16E-07	5.21E-06	2.48E-06	6
BP	GO:00016 11/88	330/18670	4.24E-07	5.29E-06	2.52E-06	11
BP	GO:00513 8/88	146/18670	4.37E-07	5.43E-06	2.59E-06	8
BP	GO:00468 6/88	62/18670	4.59E-07	5.68E-06	2.71E-06	6
BP	GO:00303 11/88	334/18670	4.78E-07	5.90E-06	2.81E-06	11
BP	GO:00140 8/88	148/18670	4.85E-07	5.96E-06	2.84E-06	8
BP	GO:19034 7/88	101/18670	4.87E-07	5.97E-06	2.85E-06	7
BP	GO:00092 8/88	149/18670	5.11E-07	6.21E-06	2.96E-06	8
BP	GO:00140 8/88	149/18670	5.11E-07	6.21E-06	2.96E-06	8
BP	GO:00105 5/88	34/18670	5.18E-07	6.28E-06	2.99E-06	5
BP	GO:00459 11/88	338/18670	5.38E-07	6.49E-06	3.10E-06	11
BP	GO:00061 9/88	206/18670	5.48E-07	6.53E-06	3.11E-06	9
BP	GO:00506 9/88	206/18670	5.48E-07	6.53E-06	3.11E-06	9
BP	GO:00069 13/88	496/18670	5.48E-07	6.53E-06	3.11E-06	13
BP	GO:00619 13/88	496/18670	5.48E-07	6.53E-06	3.11E-06	13
BP	GO:00506 9/88	208/18670	5.94E-07	7.05E-06	3.36E-06	9
BP	GO:00018 5/88	35/18670	6.02E-07	7.13E-06	3.40E-06	5
BP	GO:00725 6/88	65/18670	6.10E-07	7.19E-06	3.43E-06	6
BP	GO:00329 9/88	209/18670	6.18E-07	7.27E-06	3.47E-06	9
BP	GO:00435 10/88	273/18670	6.27E-07	7.35E-06	3.51E-06	10
BP	GO:00331 7/88	105/18670	6.35E-07	7.42E-06	3.54E-06	7
BP	GO:00098 12/88	423/18670	6.79E-07	7.91E-06	3.77E-06	12
BP	GO:00105 5/88	36/18670	6.97E-07	8.03E-06	3.83E-06	5
BP	GO:19010 5/88	36/18670	6.97E-07	8.03E-06	3.83E-06	5
BP	GO:20012 5/88	36/18670	6.97E-07	8.03E-06	3.83E-06	5
BP	GO:00435 8/88	156/18670	7.24E-07	8.32E-06	3.97E-06	8
BP	GO:00486 6/88	67/18670	7.31E-07	8.37E-06	3.99E-06	6
BP	GO:20001 11/88	349/18670	7.37E-07	8.41E-06	4.01E-06	11
BP	GO:19059 8/88	157/18670	7.60E-07	8.65E-06	4.12E-06	8
BP	GO:00432 9/88	215/18670	7.83E-07	8.88E-06	4.23E-06	9
BP	GO:00305 10/88	280/18670	7.90E-07	8.93E-06	4.26E-06	10
BP	GO:00434 8/88	158/18670	7.98E-07	8.99E-06	4.29E-06	8
BP	GO:00100 9/88	218/18670	8.79E-07	9.87E-06	4.71E-06	9

BP	GO:00349 10/88	285/18670	9.28E-07	1.04E-05	4.95E-06	10
BP	GO:00706 9/88	222/18670	1.02E-06	1.14E-05	5.44E-06	9
BP	GO:00316 4/88	17/18670	1.05E-06	1.16E-05	5.55E-06	4
BP	GO:00458 11/88	363/18670	1.08E-06	1.20E-05	5.73E-06	11
BP	GO:00070 8/88	165/18670	1.11E-06	1.22E-05	5.81E-06	8
BP	GO:00026 7/88	114/18670	1.11E-06	1.22E-05	5.81E-06	7
BP	GO:00420 7/88	114/18670	1.11E-06	1.22E-05	5.81E-06	7
BP	GO:00713 10/88	291/18670	1.12E-06	1.23E-05	5.85E-06	10
BP	GO:00518 6/88	72/18670	1.12E-06	1.23E-05	5.85E-06	6
BP	GO:19019 12/88	444/18670	1.13E-06	1.23E-05	5.86E-06	12
BP	GO:00329 7/88	115/18670	1.18E-06	1.28E-05	6.09E-06	7
BP	GO:00068 6/88	73/18670	1.22E-06	1.32E-05	6.29E-06	6
BP	GO:01500 6/88	75/18670	1.43E-06	1.54E-05	7.36E-06	6
BP	GO:00162 8/88	171/18670	1.45E-06	1.56E-05	7.43E-06	8
BP	GO:00610 6/88	76/18670	1.55E-06	1.66E-05	7.91E-06	6
BP	GO:00226 7/88	120/18670	1.57E-06	1.67E-05	7.99E-06	7
BP	GO:00097 9/88	235/18670	1.64E-06	1.75E-05	8.32E-06	9
BP	GO:00070 9/88	237/18670	1.76E-06	1.87E-05	8.90E-06	9
BP	GO:00420 7/88	123/18670	1.85E-06	1.96E-05	9.34E-06	7
BP	GO:00512 11/88	384/18670	1.87E-06	1.98E-05	9.42E-06	11
BP	GO:20001 9/88	239/18670	1.88E-06	1.98E-05	9.45E-06	9
BP	GO:00140 7/88	124/18670	1.95E-06	2.04E-05	9.72E-06	7
BP	GO:00421 7/88	124/18670	1.95E-06	2.04E-05	9.72E-06	7
BP	GO:00423 12/88	468/18670	1.96E-06	2.04E-05	9.72E-06	12
BP	GO:00454 7/88	125/18670	2.06E-06	2.14E-05	1.02E-05	7
BP	GO:00435 8/88	180/18670	2.13E-06	2.20E-05	1.05E-05	8
BP	GO:00713 8/88	180/18670	2.13E-06	2.20E-05	1.05E-05	8
BP	GO:00480 8/88	181/18670	2.22E-06	2.29E-05	1.09E-05	8
BP	GO:00323 7/88	127/18670	2.29E-06	2.36E-05	1.12E-05	7
BP	GO:00488 9/88	246/18670	2.39E-06	2.45E-05	1.17E-05	9
BP	GO:00105 7/88	128/18670	2.42E-06	2.46E-05	1.17E-05	7
BP	GO:00326 6/88	82/18670	2.42E-06	2.46E-05	1.17E-05	6
BP	GO:00069 5/88	46/18670	2.44E-06	2.46E-05	1.17E-05	5
BP	GO:00226 5/88	46/18670	2.44E-06	2.46E-05	1.17E-05	5
BP	GO:00457 5/88	46/18670	2.44E-06	2.46E-05	1.17E-05	5
BP	GO:00604 5/88	46/18670	2.44E-06	2.46E-05	1.17E-05	5
BP	GO:00480 8/88	184/18670	2.51E-06	2.52E-05	1.20E-05	8
BP	GO:00400 11/88	396/18670	2.52E-06	2.52E-05	1.20E-05	11
BP	GO:19019 12/88	480/18670	2.54E-06	2.53E-05	1.21E-05	12
BP	GO:00347 7/88	129/18670	2.55E-06	2.53E-05	1.21E-05	7
BP	GO:00550 4/88	21/18670	2.59E-06	2.57E-05	1.23E-05	4
BP	GO:00459 6/88	83/18670	2.60E-06	2.58E-05	1.23E-05	6
BP	GO:00506 7/88	130/18670	2.68E-06	2.65E-05	1.26E-05	7
BP	GO:20012 5/88	47/18670	2.72E-06	2.68E-05	1.28E-05	5
BP	GO:00329 7/88	131/18670	2.82E-06	2.77E-05	1.32E-05	7
BP	GO:19047 6/88	85/18670	2.99E-06	2.92E-05	1.39E-05	6
BP	GO:19908 6/88	85/18670	2.99E-06	2.92E-05	1.39E-05	6
BP	GO:00901 5/88	48/18670	3.03E-06	2.95E-05	1.40E-05	5
BP	GO:00519 9/88	254/18670	3.11E-06	3.01E-05	1.44E-05	9
BP	GO:00108 4/88	22/18670	3.16E-06	3.05E-05	1.45E-05	4
BP	GO:00713 4/88	22/18670	3.16E-06	3.05E-05	1.45E-05	4
BP	GO:00424 6/88	86/18670	3.21E-06	3.09E-05	1.47E-05	6
BP	GO:00323 7/88	134/18670	3.28E-06	3.14E-05	1.50E-05	7
BP	GO:00466 7/88	134/18670	3.28E-06	3.14E-05	1.50E-05	7
BP	GO:00507 9/88	256/18670	3.31E-06	3.16E-05	1.51E-05	9
BP	GO:00973 5/88	49/18670	3.36E-06	3.20E-05	1.52E-05	5
BP	GO:00018 6/88	87/18670	3.43E-06	3.26E-05	1.55E-05	6
BP	GO:00512 10/88	330/18670	3.46E-06	3.28E-05	1.56E-05	10

BP	GO:00901 10/88	332/18670	3.65E-06	3.45E-05	1.64E-05	10
BP	GO:00510 9/88	261/18670	3.88E-06	3.65E-05	1.74E-05	9
BP	GO:00326 6/88	89/18670	3.92E-06	3.68E-05	1.76E-05	6
BP	GO:00085 7/88	138/18670	3.99E-06	3.74E-05	1.78E-05	7
BP	GO:00465 7/88	139/18670	4.18E-06	3.90E-05	1.86E-05	7
BP	GO:00706 7/88	139/18670	4.18E-06	3.90E-05	1.86E-05	7
BP	GO:00512 11/88	418/18670	4.23E-06	3.93E-05	1.88E-05	11
BP	GO:00310 8/88	198/18670	4.32E-06	4.01E-05	1.91E-05	8
BP	GO:00149 6/88	91/18670	4.46E-06	4.10E-05	1.96E-05	6
BP	GO:00456 6/88	91/18670	4.46E-06	4.10E-05	1.96E-05	6
BP	GO:00603 6/88	91/18670	4.46E-06	4.10E-05	1.96E-05	6
BP	GO:00343 8/88	199/18670	4.49E-06	4.11E-05	1.96E-05	8
BP	GO:00468 9/88	266/18670	4.52E-06	4.14E-05	1.97E-05	9
BP	GO:00466 4/88	24/18670	4.56E-06	4.16E-05	1.98E-05	4
BP	GO:00313 9/88	268/18670	4.81E-06	4.37E-05	2.09E-05	9
BP	GO:00381 7/88	142/18670	4.82E-06	4.37E-05	2.09E-05	7
BP	GO:00525 11/88	425/18670	4.96E-06	4.49E-05	2.14E-05	11
BP	GO:00301 5/88	53/18670	4.98E-06	4.50E-05	2.14E-05	5
BP	GO:00364 6/88	93/18670	5.06E-06	4.56E-05	2.17E-05	6
BP	GO:00485 11/88	428/18670	5.30E-06	4.76E-05	2.27E-05	11
BP	GO:00352 8/88	204/18670	5.39E-06	4.83E-05	2.30E-05	8
BP	GO:00019 11/88	429/18670	5.42E-06	4.84E-05	2.31E-05	11
BP	GO:00027 5/88	54/18670	5.47E-06	4.86E-05	2.32E-05	5
BP	GO:19000 5/88	54/18670	5.47E-06	4.86E-05	2.32E-05	5
BP	GO:00719 7/88	145/18670	5.53E-06	4.91E-05	2.34E-05	7
BP	GO:00425 7/88	146/18670	5.79E-06	5.11E-05	2.44E-05	7
BP	GO:00458 7/88	146/18670	5.79E-06	5.11E-05	2.44E-05	7
BP	GO:00432 9/88	275/18670	5.92E-06	5.21E-05	2.49E-05	9
BP	GO:00192 6/88	96/18670	6.09E-06	5.33E-05	2.54E-05	6
BP	GO:00480 6/88	96/18670	6.09E-06	5.33E-05	2.54E-05	6
BP	GO:00301 4/88	26/18670	6.36E-06	5.53E-05	2.64E-05	4
BP	GO:00328 4/88	26/18670	6.36E-06	5.53E-05	2.64E-05	4
BP	GO:19000 4/88	26/18670	6.36E-06	5.53E-05	2.64E-05	4
BP	GO:00315 10/88	354/18670	6.43E-06	5.58E-05	2.66E-05	10
BP	GO:00604 9/88	278/18670	6.47E-06	5.59E-05	2.67E-05	9
BP	GO:00069 5/88	56/18670	6.56E-06	5.66E-05	2.70E-05	5
BP	GO:00975 8/88	210/18670	6.67E-06	5.74E-05	2.74E-05	8
BP	GO:00199 11/88	439/18670	6.74E-06	5.79E-05	2.76E-05	11
BP	GO:00301 9/88	281/18670	7.05E-06	6.04E-05	2.88E-05	9
BP	GO:00508 5/88	57/18670	7.16E-06	6.07E-05	2.90E-05	5
BP	GO:00713 5/88	57/18670	7.16E-06	6.07E-05	2.90E-05	5
BP	GO:00724 5/88	57/18670	7.16E-06	6.07E-05	2.90E-05	5
BP	GO:19024 5/88	57/18670	7.16E-06	6.07E-05	2.90E-05	5
BP	GO:00468 4/88	27/18670	7.44E-06	6.27E-05	2.99E-05	4
BP	GO:00508 4/88	27/18670	7.44E-06	6.27E-05	2.99E-05	4
BP	GO:19021 4/88	27/18670	7.44E-06	6.27E-05	2.99E-05	4
BP	GO:00192 5/88	58/18670	7.81E-06	6.54E-05	3.12E-05	5
BP	GO:19037 5/88	58/18670	7.81E-06	6.54E-05	3.12E-05	5
BP	GO:00301 7/88	153/18670	7.88E-06	6.57E-05	3.13E-05	7
BP	GO:00458 7/88	153/18670	7.88E-06	6.57E-05	3.13E-05	7
BP	GO:00181 10/88	363/18670	8.01E-06	6.67E-05	3.18E-05	10
BP	GO:00000 8/88	216/18670	8.19E-06	6.80E-05	3.24E-05	8
BP	GO:00060 10/88	364/18670	8.21E-06	6.80E-05	3.24E-05	10
BP	GO:00724 5/88	59/18670	8.50E-06	6.99E-05	3.33E-05	5
BP	GO:19024 5/88	59/18670	8.50E-06	6.99E-05	3.33E-05	5
BP	GO:19024 5/88	59/18670	8.50E-06	6.99E-05	3.33E-05	5
BP	GO:00182 10/88	366/18670	8.61E-06	7.05E-05	3.36E-05	10
BP	GO:00327 4/88	28/18670	8.65E-06	7.05E-05	3.36E-05	4

BP	GO:00362	4/88	28/18670	8.65E-06	7.05E-05	3.36E-05	4
BP	GO:00427	4/88	28/18670	8.65E-06	7.05E-05	3.36E-05	4
BP	GO:00072	7/88	156/18670	8.95E-06	7.26E-05	3.46E-05	7
BP	GO:00421	7/88	156/18670	8.95E-06	7.26E-05	3.46E-05	7
BP	GO:00432	7/88	157/18670	9.33E-06	7.55E-05	3.60E-05	7
BP	GO:00148	6/88	104/18670	9.67E-06	7.77E-05	3.71E-05	6
BP	GO:00468	6/88	104/18670	9.67E-06	7.77E-05	3.71E-05	6
BP	GO:00718	6/88	104/18670	9.67E-06	7.77E-05	3.71E-05	6
BP	GO:00903	5/88	61/18670	1.00E-05	8.04E-05	3.83E-05	5
BP	GO:00017	10/88	373/18670	1.02E-05	8.12E-05	3.87E-05	10
BP	GO:00466	7/88	160/18670	1.06E-05	8.43E-05	4.02E-05	7
BP	GO:00305	8/88	224/18670	1.07E-05	8.50E-05	4.06E-05	8
BP	GO:00447	6/88	106/18670	1.08E-05	8.57E-05	4.09E-05	6
BP	GO:00022	5/88	62/18670	1.09E-05	8.59E-05	4.10E-05	5
BP	GO:00702	5/88	62/18670	1.09E-05	8.59E-05	4.10E-05	5
BP	GO:00071	8/88	225/18670	1.10E-05	8.70E-05	4.15E-05	8
BP	GO:00157	7/88	162/18670	1.15E-05	9.01E-05	4.30E-05	7
BP	GO:00017	4/88	30/18670	1.15E-05	9.01E-05	4.30E-05	4
BP	GO:00714	4/88	30/18670	1.15E-05	9.01E-05	4.30E-05	4
BP	GO:00315	5/88	63/18670	1.18E-05	9.17E-05	4.37E-05	5
BP	GO:00448	5/88	63/18670	1.18E-05	9.17E-05	4.37E-05	5
BP	GO:00016	3/88	10/18670	1.19E-05	9.19E-05	4.38E-05	3
BP	GO:00320	3/88	10/18670	1.19E-05	9.19E-05	4.38E-05	3
BP	GO:00519	3/88	10/18670	1.19E-05	9.19E-05	4.38E-05	3
BP	GO:00459	7/88	163/18670	1.19E-05	9.22E-05	4.40E-05	7
BP	GO:00432	11/88	467/18670	1.20E-05	9.29E-05	4.43E-05	11
BP	GO:00358	7/88	164/18670	1.24E-05	9.55E-05	4.55E-05	7
BP	GO:00105	8/88	229/18670	1.25E-05	9.63E-05	4.59E-05	8
BP	GO:00447	5/88	64/18670	1.27E-05	9.74E-05	4.64E-05	5
BP	GO:00101	4/88	31/18670	1.32E-05	0.0001	4.78E-05	4
BP	GO:00346	4/88	31/18670	1.32E-05	0.0001	4.78E-05	4
BP	GO:19028	4/88	31/18670	1.32E-05	0.0001	4.78E-05	4
BP	GO:00507	11/88	472/18670	1.33E-05	0.000101	4.82E-05	11
BP	GO:00161	6/88	110/18670	1.33E-05	0.000101	4.83E-05	6
BP	GO:00976	7/88	166/18670	1.34E-05	0.000102	4.84E-05	7
BP	GO:00091	10/88	386/18670	1.37E-05	0.000103	4.92E-05	10
BP	GO:19015	7/88	167/18670	1.40E-05	0.000105	5.01E-05	7
BP	GO:00098	9/88	308/18670	1.47E-05	0.00011	5.27E-05	9
BP	GO:00019	6/88	112/18670	1.48E-05	0.000111	5.29E-05	6
BP	GO:19012	10/88	390/18670	1.49E-05	0.000112	5.33E-05	10
BP	GO:00507	7/88	169/18670	1.51E-05	0.000113	5.37E-05	7
BP	GO:00064	8/88	235/18670	1.51E-05	0.000113	5.37E-05	8
BP	GO:00432	6/88	113/18670	1.56E-05	0.000116	5.52E-05	6
BP	GO:00197	5/88	67/18670	1.59E-05	0.000118	5.63E-05	5
BP	GO:00468	3/88	11/18670	1.62E-05	0.00012	5.72E-05	3
BP	GO:00607	3/88	11/18670	1.62E-05	0.00012	5.72E-05	3
BP	GO:00468	9/88	312/18670	1.63E-05	0.00012	5.72E-05	9
BP	GO:00066	6/88	114/18670	1.64E-05	0.00012	5.73E-05	6
BP	GO:00427	6/88	114/18670	1.64E-05	0.00012	5.73E-05	6
BP	GO:00100	4/88	33/18670	1.70E-05	0.000124	5.94E-05	4
BP	GO:00199	5/88	68/18670	1.71E-05	0.000125	5.97E-05	5
BP	GO:00075	6/88	116/18670	1.81E-05	0.000132	6.28E-05	6
BP	GO:19001	6/88	116/18670	1.81E-05	0.000132	6.28E-05	6
BP	GO:00105	6/88	117/18670	1.90E-05	0.000137	6.55E-05	6
BP	GO:00109	6/88	117/18670	1.90E-05	0.000137	6.55E-05	6
BP	GO:19003	6/88	117/18670	1.90E-05	0.000137	6.55E-05	6
BP	GO:00432	4/88	34/18670	1.92E-05	0.000139	6.61E-05	4
BP	GO:00518	7/88	176/18670	1.96E-05	0.000141	6.74E-05	7

BP	GO:00341 5/88	70/18670	1.97E-05	0.000142	6.75E-05	5
BP	GO:00507 5/88	70/18670	1.97E-05	0.000142	6.75E-05	5
BP	GO:00518 8/88	244/18670	1.98E-05	0.000142	6.77E-05	8
BP	GO:00308 6/88	118/18670	1.99E-05	0.000142	6.79E-05	6
BP	GO:00484 7/88	177/18670	2.03E-05	0.000145	6.92E-05	7
BP	GO:00099 9/88	322/18670	2.09E-05	0.000149	7.09E-05	9
BP	GO:00069 3/88	12/18670	2.16E-05	0.000153	7.30E-05	3
BP	GO:00450 3/88	12/18670	2.16E-05	0.000153	7.30E-05	3
BP	GO:00972 8/88	247/18670	2.16E-05	0.000153	7.30E-05	8
BP	GO:00510 7/88	179/18670	2.19E-05	0.000154	7.34E-05	7
BP	GO:00713 7/88	179/18670	2.19E-05	0.000154	7.34E-05	7
BP	GO:00030 6/88	120/18670	2.19E-05	0.000154	7.34E-05	6
BP	GO:00067 6/88	120/18670	2.19E-05	0.000154	7.34E-05	6
BP	GO:19019 8/88	248/18670	2.23E-05	0.000156	7.44E-05	8
BP	GO:19037 5/88	72/18670	2.26E-05	0.000158	7.55E-05	5
BP	GO:00027 11/88	500/18670	2.27E-05	0.000158	7.55E-05	11
BP	GO:00193 8/88	249/18670	2.29E-05	0.00016	7.61E-05	8
BP	GO:00096 9/88	326/18670	2.30E-05	0.00016	7.63E-05	9
BP	GO:00190 9/88	328/18670	2.41E-05	0.000167	7.95E-05	9
BP	GO:00436 5/88	73/18670	2.42E-05	0.000167	7.95E-05	5
BP	GO:00724 5/88	73/18670	2.42E-05	0.000167	7.95E-05	5
BP	GO:00724 5/88	73/18670	2.42E-05	0.000167	7.95E-05	5
BP	GO:19035 5/88	73/18670	2.42E-05	0.000167	7.95E-05	5
BP	GO:00723 5/88	74/18670	2.59E-05	0.000177	8.44E-05	5
BP	GO:19001 5/88	74/18670	2.59E-05	0.000177	8.44E-05	5
BP	GO:19030 5/88	74/18670	2.59E-05	0.000177	8.44E-05	5
BP	GO:00300 10/88	416/18670	2.60E-05	0.000177	8.46E-05	10
BP	GO:00328 4/88	37/18670	2.70E-05	0.000183	8.71E-05	4
BP	GO:00344 4/88	37/18670	2.70E-05	0.000183	8.71E-05	4
BP	GO:00430 4/88	37/18670	2.70E-05	0.000183	8.71E-05	4
BP	GO:00459 4/88	37/18670	2.70E-05	0.000183	8.71E-05	4
BP	GO:20002 4/88	37/18670	2.70E-05	0.000183	8.71E-05	4
BP	GO:00719 9/88	334/18670	2.78E-05	0.000187	8.93E-05	9
BP	GO:00306 3/88	13/18670	2.80E-05	0.000187	8.93E-05	3
BP	GO:00903 3/88	13/18670	2.80E-05	0.000187	8.93E-05	3
BP	GO:00905 3/88	13/18670	2.80E-05	0.000187	8.93E-05	3
BP	GO:19029 3/88	13/18670	2.80E-05	0.000187	8.93E-05	3
BP	GO:00336 8/88	257/18670	2.87E-05	0.000192	9.16E-05	8
BP	GO:00423 5/88	76/18670	2.94E-05	0.000196	9.37E-05	5
BP	GO:00323 4/88	38/18670	3.01E-05	0.0002	9.56E-05	4
BP	GO:00486 5/88	77/18670	3.14E-05	0.000209	9.95E-05	5
BP	GO:00026 6/88	128/18670	3.16E-05	0.00021	1.00E-04	6
BP	GO:00345 8/88	262/18670	3.30E-05	0.000218	0.000104	8
BP	GO:00510 10/88	428/18670	3.31E-05	0.000219	0.000104	10
BP	GO:00714 7/88	191/18670	3.31E-05	0.000219	0.000104	7
BP	GO:00723 5/88	78/18670	3.34E-05	0.00022	0.000105	5
BP	GO:00510 10/88	429/18670	3.37E-05	0.000222	0.000106	10
BP	GO:00723 9/88	343/18670	3.43E-05	0.000224	0.000107	9
BP	GO:00507 7/88	192/18670	3.43E-05	0.000224	0.000107	7
BP	GO:00519 3/88	14/18670	3.55E-05	0.000232	0.000111	3
BP	GO:00714 4/88	40/18670	3.70E-05	0.000241	0.000115	4
BP	GO:00423 10/88	434/18670	3.72E-05	0.000242	0.000115	10
BP	GO:19019 8/88	267/18670	3.77E-05	0.000245	0.000117	8
BP	GO:00434 10/88	436/18670	3.87E-05	0.000251	0.00012	10
BP	GO:00066 7/88	196/18670	3.91E-05	0.000253	0.000121	7
BP	GO:00427 6/88	133/18670	3.92E-05	0.000253	0.000121	6
BP	GO:00487 5/88	81/18670	4.01E-05	0.000259	0.000123	5
BP	GO:00109 7/88	197/18670	4.04E-05	0.00026	0.000124	7

BP	GO:00459	8/88	270/18670	4.08E-05	0.000262	0.000125	8
BP	GO:00425	4/88	41/18670	4.08E-05	0.000262	0.000125	4
BP	GO:00468	7/88	198/18670	4.17E-05	0.000267	0.000127	7
BP	GO:19016	8/88	271/18670	4.19E-05	0.000268	0.000128	8
BP	GO:00326	5/88	82/18670	4.25E-05	0.00027	0.000129	5
BP	GO:00346	5/88	82/18670	4.25E-05	0.00027	0.000129	5
BP	GO:00711	5/88	82/18670	4.25E-05	0.00027	0.000129	5
BP	GO:00300	9/88	353/18670	4.28E-05	0.000272	0.00013	9
BP	GO:00328	8/88	272/18670	4.30E-05	0.000272	0.00013	8
BP	GO:00170	7/88	199/18670	4.31E-05	0.000272	0.00013	7
BP	GO:00307	3/88	15/18670	4.42E-05	0.000277	0.000132	3
BP	GO:00323	3/88	15/18670	4.42E-05	0.000277	0.000132	3
BP	GO:00450	3/88	15/18670	4.42E-05	0.000277	0.000132	3
BP	GO:00517	3/88	15/18670	4.42E-05	0.000277	0.000132	3
BP	GO:00464	6/88	137/18670	4.63E-05	0.00029	0.000138	6
BP	GO:00149	5/88	84/18670	4.78E-05	0.000298	0.000142	5
BP	GO:00977	5/88	84/18670	4.78E-05	0.000298	0.000142	5
BP	GO:00067	4/88	43/18670	4.94E-05	0.000307	0.000146	4
BP	GO:00328	4/88	43/18670	4.94E-05	0.000307	0.000146	4
BP	GO:19046	4/88	43/18670	4.94E-05	0.000307	0.000146	4
BP	GO:00018	8/88	278/18670	5.02E-05	0.000311	0.000148	8
BP	GO:00067	6/88	139/18670	5.02E-05	0.000311	0.000148	6
BP	GO:00025	7/88	204/18670	5.04E-05	0.000311	0.000148	7
BP	GO:00347	7/88	204/18670	5.04E-05	0.000311	0.000148	7
BP	GO:00458	9/88	363/18670	5.32E-05	0.000326	0.000155	9
BP	GO:00017	5/88	86/18670	5.35E-05	0.000326	0.000155	5
BP	GO:00069	5/88	86/18670	5.35E-05	0.000326	0.000155	5
BP	GO:00346	5/88	86/18670	5.35E-05	0.000326	0.000155	5
BP	GO:00466	4/88	44/18670	5.42E-05	0.000326	0.000155	4
BP	GO:00702	4/88	44/18670	5.42E-05	0.000326	0.000155	4
BP	GO:00020	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00108	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00420	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00459	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00507	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00609	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00702	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00713	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:19004	3/88	16/18670	5.42E-05	0.000326	0.000155	3
BP	GO:00705	7/88	207/18670	5.53E-05	0.000332	0.000158	7
BP	GO:00106	6/88	142/18670	5.65E-05	0.000337	0.000161	6
BP	GO:19005	6/88	142/18670	5.65E-05	0.000337	0.000161	6
BP	GO:00026	5/88	87/18670	5.66E-05	0.000337	0.000161	5
BP	GO:00140	5/88	87/18670	5.66E-05	0.000337	0.000161	5
BP	GO:00324	8/88	283/18670	5.69E-05	0.000338	0.000161	8
BP	GO:00902	7/88	208/18670	5.70E-05	0.000338	0.000161	7
BP	GO:00217	8/88	284/18670	5.83E-05	0.000345	0.000165	8
BP	GO:00060	7/88	209/18670	5.87E-05	0.000347	0.000165	7
BP	GO:00517	7/88	209/18670	5.87E-05	0.000347	0.000165	7
BP	GO:00066	6/88	143/18670	5.88E-05	0.000347	0.000165	6
BP	GO:00508	5/88	88/18670	5.97E-05	0.000352	0.000168	5
BP	GO:00069	9/88	369/18670	6.03E-05	0.000355	0.000169	9
BP	GO:19040	6/88	144/18670	6.11E-05	0.000359	0.000171	6
BP	GO:00442	8/88	286/18670	6.12E-05	0.000359	0.000171	8
BP	GO:00230	10/88	462/18670	6.28E-05	0.000367	0.000175	10
BP	GO:00463	10/88	462/18670	6.28E-05	0.000367	0.000175	10
BP	GO:00464	5/88	89/18670	6.31E-05	0.000368	0.000175	5
BP	GO:00160	10/88	463/18670	6.40E-05	0.000372	0.000178	10

BP	GO:00308	4/88	46/18670	6.46E-05	0.000374	0.000178	4
BP	GO:19003	4/88	46/18670	6.46E-05	0.000374	0.000178	4
BP	GO:19040	4/88	46/18670	6.46E-05	0.000374	0.000178	4
BP	GO:00305	3/88	17/18670	6.56E-05	0.000377	0.00018	3
BP	GO:00702	3/88	17/18670	6.56E-05	0.000377	0.00018	3
BP	GO:20012	3/88	17/18670	6.56E-05	0.000377	0.00018	3
BP	GO:00071	8/88	289/18670	6.59E-05	0.000377	0.00018	8
BP	GO:00022	6/88	146/18670	6.60E-05	0.000377	0.00018	6
BP	GO:00061	6/88	146/18670	6.60E-05	0.000377	0.00018	6
BP	GO:00352	6/88	146/18670	6.60E-05	0.000377	0.00018	6
BP	GO:19048	6/88	146/18670	6.60E-05	0.000377	0.00018	6
BP	GO:00022	6/88	147/18670	6.85E-05	0.000391	0.000186	6
BP	GO:00108	7/88	215/18670	7.02E-05	0.0004	0.000191	7
BP	GO:00488	4/88	47/18670	7.04E-05	0.0004	0.000191	4
BP	GO:00702	4/88	47/18670	7.04E-05	0.0004	0.000191	4
BP	GO:00059	8/88	292/18670	7.08E-05	0.000401	0.000191	8
BP	GO:00515	6/88	148/18670	7.12E-05	0.000403	0.000192	6
BP	GO:00720	8/88	293/18670	7.25E-05	0.00041	0.000195	8
BP	GO:19048	5/88	92/18670	7.39E-05	0.000417	0.000199	5
BP	GO:00162	8/88	295/18670	7.60E-05	0.000428	0.000204	8
BP	GO:00519	4/88	48/18670	7.65E-05	0.00043	0.000205	4
BP	GO:00083	6/88	150/18670	7.67E-05	0.00043	0.000205	6
BP	GO:00421	9/88	381/18670	7.71E-05	0.000432	0.000206	9
BP	GO:00108	3/88	18/18670	7.84E-05	0.000438	0.000209	3
BP	GO:00607	3/88	18/18670	7.84E-05	0.000438	0.000209	3
BP	GO:00613	3/88	18/18670	7.84E-05	0.000438	0.000209	3
BP	GO:00487	7/88	219/18670	7.88E-05	0.000439	0.000209	7
BP	GO:00026	4/88	49/18670	8.30E-05	0.00046	0.000219	4
BP	GO:00308	4/88	49/18670	8.30E-05	0.00046	0.000219	4
BP	GO:00327	4/88	49/18670	8.30E-05	0.00046	0.000219	4
BP	GO:00061	8/88	300/18670	8.55E-05	0.000473	0.000225	8
BP	GO:00903	6/88	153/18670	8.56E-05	0.000473	0.000225	6
BP	GO:00421	5/88	95/18670	8.61E-05	0.000473	0.000225	5
BP	GO:00421	5/88	95/18670	8.61E-05	0.000473	0.000225	5
BP	GO:00508	5/88	95/18670	8.61E-05	0.000473	0.000225	5
BP	GO:19030	5/88	95/18670	8.61E-05	0.000473	0.000225	5
BP	GO:00454	7/88	223/18670	8.82E-05	0.000484	0.000231	7
BP	GO:00029	4/88	50/18670	8.99E-05	0.000492	0.000235	4
BP	GO:00708	10/88	483/18670	9.08E-05	0.000496	0.000237	10
BP	GO:00105	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:00108	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:00331	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:00515	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:00601	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:00609	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:19021	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:19037	3/88	19/18670	9.28E-05	0.000501	0.000239	3
BP	GO:00432	5/88	97/18670	9.51E-05	0.000511	0.000244	5
BP	GO:00447	5/88	97/18670	9.51E-05	0.000511	0.000244	5
BP	GO:00308	6/88	156/18670	9.52E-05	0.000511	0.000244	6
BP	GO:00347	6/88	156/18670	9.52E-05	0.000511	0.000244	6
BP	GO:00193	4/88	51/18670	9.72E-05	0.000521	0.000248	4
BP	GO:00315	6/88	157/18670	9.86E-05	0.000528	0.000252	6
BP	GO:00507	5/88	98/18670	9.98E-05	0.000533	0.000254	5
BP	GO:00725	10/88	489/18670	0.000101	0.000536	0.000256	10
BP	GO:00510	7/88	228/18670	0.000101	0.00054	0.000257	7
BP	GO:00421	8/88	310/18670	0.000107	0.00057	0.000272	8
BP	GO:00425	3/88	20/18670	0.000109	0.000576	0.000275	3

BP	GO:00517 3/88	20/18670	0.000109	0.000576	0.000275	3
BP	GO:00517 3/88	20/18670	0.000109	0.000576	0.000275	3
BP	GO:19035 9/88	399/18670	0.000109	0.000579	0.000276	9
BP	GO:00458 4/88	53/18670	0.000113	0.000597	0.000285	4
BP	GO:00725 8/88	313/18670	0.000115	0.000604	0.000288	8
BP	GO:00310 8/88	315/18670	0.00012	0.00063	0.0003	8
BP	GO:00105 5/88	102/18670	0.000121	0.000633	0.000302	5
BP	GO:00312 6/88	163/18670	0.000121	0.000635	0.000303	6
BP	GO:00511 6/88	163/18670	0.000121	0.000635	0.000303	6
BP	GO:00105 4/88	54/18670	0.000122	0.000636	0.000303	4
BP	GO:00513 4/88	54/18670	0.000122	0.000636	0.000303	4
BP	GO:00439 9/88	405/18670	0.000123	0.000639	0.000305	9
BP	GO:00703 8/88	317/18670	0.000125	0.000651	0.000311	8
BP	GO:00307 3/88	21/18670	0.000127	0.000655	0.000312	3
BP	GO:00364 3/88	21/18670	0.000127	0.000655	0.000312	3
BP	GO:00468 3/88	21/18670	0.000127	0.000655	0.000312	3
BP	GO:00709 3/88	21/18670	0.000127	0.000655	0.000312	3
BP	GO:00506 6/88	165/18670	0.00013	0.000669	0.000319	6
BP	GO:00716 6/88	165/18670	0.00013	0.000669	0.000319	6
BP	GO:00015 5/88	104/18670	0.000132	0.00068	0.000324	5
BP	GO:00305 5/88	104/18670	0.000132	0.00068	0.000324	5
BP	GO:00161 6/88	166/18670	0.000134	0.000688	0.000328	6
BP	GO:00075 9/88	410/18670	0.000134	0.000689	0.000329	9
BP	GO:00313 7/88	239/18670	0.000136	0.000695	0.000332	7
BP	GO:00312 4/88	56/18670	0.00014	0.000718	0.000342	4
BP	GO:00508 6/88	168/18670	0.000143	0.00073	0.000348	6
BP	GO:00312 3/88	22/18670	0.000146	0.00074	0.000353	3
BP	GO:00358 3/88	22/18670	0.000146	0.00074	0.000353	3
BP	GO:00423 3/88	22/18670	0.000146	0.00074	0.000353	3
BP	GO:00434 3/88	22/18670	0.000146	0.00074	0.000353	3
BP	GO:19015 3/88	22/18670	0.000146	0.00074	0.000353	3
BP	GO:00020 4/88	57/18670	0.00015	0.000758	0.000362	4
BP	GO:00312 4/88	57/18670	0.00015	0.000758	0.000362	4
BP	GO:00459 4/88	57/18670	0.00015	0.000758	0.000362	4
BP	GO:19005 4/88	57/18670	0.00015	0.000758	0.000362	4
BP	GO:00303 5/88	107/18670	0.000151	0.00076	0.000362	5
BP	GO:00620 5/88	107/18670	0.000151	0.00076	0.000362	5
BP	GO:00511 8/88	326/18670	0.000152	0.000761	0.000363	8
BP	GO:00711 5/88	108/18670	0.000158	0.00079	0.000377	5
BP	GO:20002 5/88	108/18670	0.000158	0.00079	0.000377	5
BP	GO:00619 4/88	58/18670	0.000161	0.000804	0.000384	4
BP	GO:00215 6/88	172/18670	0.000163	0.000811	0.000387	6
BP	GO:00346 3/88	23/18670	0.000167	0.000834	0.000398	3
BP	GO:00016 6/88	173/18670	0.000168	0.000834	0.000398	6
BP	GO:00104 6/88	173/18670	0.000168	0.000834	0.000398	6
BP	GO:00433 4/88	59/18670	0.000172	0.000853	0.000407	4
BP	GO:00335 5/88	110/18670	0.000172	0.000853	0.000407	5
BP	GO:00160 8/88	333/18670	0.000175	0.000866	0.000413	8
BP	GO:00321 8/88	333/18670	0.000175	0.000866	0.000413	8
BP	GO:00300 7/88	250/18670	0.000179	0.000884	0.000422	7
BP	GO:00069 6/88	176/18670	0.000184	0.000906	0.000432	6
BP	GO:00507 6/88	176/18670	0.000184	0.000906	0.000432	6
BP	GO:00020 5/88	112/18670	0.000187	0.000917	0.000437	5
BP	GO:00432 5/88	112/18670	0.000187	0.000917	0.000437	5
BP	GO:19907 5/88	112/18670	0.000187	0.000917	0.000437	5
BP	GO:00323 4/88	61/18670	0.000196	0.000956	0.000456	4
BP	GO:00713 4/88	61/18670	0.000196	0.000956	0.000456	4
BP	GO:19059 4/88	61/18670	0.000196	0.000956	0.000456	4

BP	GO:00068 9/88	434/18670	0.000206	0.001002	0.000478	9
BP	GO:00076 7/88	256/18670	0.000207	0.001008	0.000481	7
BP	GO:00700 4/88	62/18670	0.000209	0.001014	0.000483	4
BP	GO:19040 8/88	342/18670	0.00021	0.00102	0.000486	8
BP	GO:19043 5/88	115/18670	0.000212	0.001026	0.000489	5
BP	GO:00069 8/88	343/18670	0.000214	0.001035	0.000493	8
BP	GO:00092 3/88	25/18670	0.000216	0.001035	0.000493	3
BP	GO:00194 3/88	25/18670	0.000216	0.001035	0.000493	3
BP	GO:00324 3/88	25/18670	0.000216	0.001035	0.000493	3
BP	GO:00509 3/88	25/18670	0.000216	0.001035	0.000493	3
BP	GO:00604 3/88	25/18670	0.000216	0.001035	0.000493	3
BP	GO:00605 3/88	25/18670	0.000216	0.001035	0.000493	3
BP	GO:20003 3/88	25/18670	0.000216	0.001035	0.000493	3
BP	GO:00107 8/88	344/18670	0.000219	0.001046	0.000499	8
BP	GO:00217 5/88	116/18670	0.000221	0.001053	0.000502	5
BP	GO:00219 5/88	116/18670	0.000221	0.001053	0.000502	5
BP	GO:00511 8/88	346/18670	0.000227	0.001084	0.000517	8
BP	GO:00027 5/88	117/18670	0.00023	0.001093	0.000521	5
BP	GO:00486 6/88	184/18670	0.000234	0.001114	0.000531	6
BP	GO:00456 4/88	64/18670	0.000236	0.001118	0.000533	4
BP	GO:20003 4/88	64/18670	0.000236	0.001118	0.000533	4
BP	GO:19902 5/88	118/18670	0.000239	0.001131	0.000539	5
BP	GO:19037 6/88	185/18670	0.000241	0.001141	0.000544	6
BP	GO:00509 3/88	26/18670	0.000243	0.001148	0.000548	3
BP	GO:00442 9/88	445/18670	0.000248	0.001167	0.000557	9
BP	GO:00019 5/88	119/18670	0.000248	0.00117	0.000558	5
BP	GO:00025 4/88	65/18670	0.000251	0.001176	0.000561	4
BP	GO:00069 4/88	65/18670	0.000251	0.001176	0.000561	4
BP	GO:00400 4/88	66/18670	0.000266	0.001243	0.000593	4
BP	GO:00517 4/88	66/18670	0.000266	0.001243	0.000593	4
BP	GO:00519 4/88	66/18670	0.000266	0.001243	0.000593	4
BP	GO:00723 7/88	267/18670	0.000268	0.00125	0.000596	7
BP	GO:00436 5/88	121/18670	0.000268	0.001252	0.000597	5
BP	GO:00096 3/88	27/18670	0.000273	0.00126	0.000601	3
BP	GO:00359 3/88	27/18670	0.000273	0.00126	0.000601	3
BP	GO:00459 3/88	27/18670	0.000273	0.00126	0.000601	3
BP	GO:00481 3/88	27/18670	0.000273	0.00126	0.000601	3
BP	GO:00714 3/88	27/18670	0.000273	0.00126	0.000601	3
BP	GO:00714 3/88	27/18670	0.000273	0.00126	0.000601	3
BP	GO:20001 3/88	27/18670	0.000273	0.00126	0.000601	3
BP	GO:00507 7/88	268/18670	0.000274	0.001264	0.000603	7
BP	GO:00069 8/88	356/18670	0.000276	0.00127	0.000606	8
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BP	GO:00072 7/88	269/18670	0.00028	0.001288	0.000614	7
BP	GO:00519 5/88	123/18670	0.00029	0.001328	0.000633	5
BP	GO:00716 5/88	123/18670	0.00029	0.001328	0.000633	5
BP	GO:00431 6/88	192/18670	0.000295	0.001349	0.000643	6
BP	GO:00162 4/88	68/18670	0.000298	0.001356	0.000647	4
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BP	GO:00509 4/88	68/18670	0.000298	0.001356	0.000647	4
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BP	GO:00192 5/88	124/18670	0.000301	0.001364	0.000651	5
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BP	GO:00015 3/88	28/18670	0.000304	0.001372	0.000654	3
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BP	GO:00335 3/88	28/18670	0.000304	0.001372	0.000654	3

BP	GO:00464	3/88	28/18670	0.000304	0.001372	0.000654	3
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BP	GO:00026	9/88	463/18670	0.000331	0.001487	0.000709	9
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BP	GO:00072	5/88	136/18670	0.00046	0.001934	0.000922	5
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BP	GO:00310 4/88	78/18670	0.000504	0.002094	0.000998	4
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BP	GO:00193 5/88	147/18670	0.000655	0.002632	0.001255	5
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BP	GO:19035 4/88	88/18670	0.000795	0.003059	0.001459	4
BP	GO:00713 7/88	321/18670	0.000803	0.003088	0.001472	7
BP	GO:00605 7/88	322/18670	0.000818	0.003131	0.001493	7
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BP	GO:00604 5/88	158/18670	0.000907	0.003424	0.001633	5
BP	GO:00164 7/88	328/18670	0.000911	0.003434	0.001638	7
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BP	GO:00193	4/88	99/18670	0.001234	0.004343	0.002071	4
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BP	GO:00450	8/88	452/18670	0.001313	0.004578	0.002183	8
BP	GO:00059	3/88	46/18670	0.001327	0.004589	0.002188	3
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BP	GO:00344	4/88	101/18670	0.001328	0.004589	0.002188	4
BP	GO:00488	6/88	257/18670	0.001356	0.004679	0.002231	6
BP	GO:00000	4/88	102/18670	0.001378	0.004745	0.002263	4
BP	GO:00988	4/88	102/18670	0.001378	0.004745	0.002263	4
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BP	GO:00313	2/88	12/18670	0.001406	0.004791	0.002285	2
BP	GO:00423	2/88	12/18670	0.001406	0.004791	0.002285	2
BP	GO:00515	2/88	12/18670	0.001406	0.004791	0.002285	2
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BP	GO:00305	3/88	47/18670	0.001412	0.004799	0.002288	3
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BP	GO:00451 6/88	270/1867C	0.001742	0.005701	0.002719	6
BP	GO:00016 4/88	109/1867C	0.001759	0.005754	0.002744	4
BP	GO:00507 8/88	474/1867C	0.001772	0.00579	0.002761	8
BP	GO:00310 3/88	51/18670	0.001789	0.005826	0.002778	3
BP	GO:00311 3/88	51/18670	0.001789	0.005826	0.002778	3
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BP	GO:00463 5/88	185/1867C	0.001825	0.005924	0.002825	5
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BP	GO:00726 4/88	111/1867C	0.00188	0.006093	0.002906	4
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BP	GO:00160 6/88	275/1867C	0.00191	0.006163	0.002939	6
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BP	GO:00466 4/88	113/1867C	0.002007	0.006351	0.003029	4
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BP	GO:00902 2/88	19/18670	0.003565	0.010047	0.004791	2
BP	GO:19026 2/88	19/18670	0.003565	0.010047	0.004791	2
BP	GO:00327 3/88	65/18670	0.00358	0.010072	0.004803	3
BP	GO:00726 3/88	65/18670	0.00358	0.010072	0.004803	3
BP	GO:00442 5/88	217/18670	0.003633	0.010215	0.004871	5
BP	GO:00435 7/88	419/18670	0.003638	0.010219	0.004873	7
BP	GO:00430 6/88	314/18670	0.003686	0.010346	0.004934	6
BP	GO:00061 4/88	134/18670	0.003715	0.010418	0.004968	4
BP	GO:00519 6/88	315/18670	0.003743	0.01049	0.005003	6
BP	GO:00068 6/88	316/18670	0.003802	0.010645	0.005077	6
BP	GO:00018 4/88	135/18670	0.003815	0.010673	0.00509	4
BP	GO:00469 4/88	136/18670	0.003916	0.010949	0.005221	4
BP	GO:00028 2/88	20/18670	0.003949	0.010953	0.005224	2
BP	GO:00065 2/88	20/18670	0.003949	0.010953	0.005224	2
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BP	GO:00302 2/88	20/18670	0.003949	0.010953	0.005224	2
BP	GO:00343 2/88	20/18670	0.003949	0.010953	0.005224	2
BP	GO:00602 2/88	20/18670	0.003949	0.010953	0.005224	2
BP	GO:00977 2/88	20/18670	0.003949	0.010953	0.005224	2
BP	GO:19029 2/88	20/18670	0.003949	0.010953	0.005224	2
BP	GO:00022 6/88	319/18670	0.003981	0.011023	0.005257	6
BP	GO:00072 6/88	319/18670	0.003981	0.011023	0.005257	6
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BP	GO:00091 4/88	138/18670	0.004125	0.011369	0.005422	4
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BP	GO:00080 3/88	69/18670	0.004236	0.011648	0.005555	3
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BP	GO:19033 4/88	140/18670	0.004341	0.011835	0.005644	4
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BP	GO:00519 3/88	70/18670	0.004411	0.011969	0.005708	3
BP	GO:20012 3/88	70/18670	0.004411	0.011969	0.005708	3
BP	GO:00082 4/88	141/18670	0.004452	0.012071	0.005757	4
BP	GO:19044 3/88	71/18670	0.00459	0.012435	0.00593	3
BP	GO:00310 4/88	143/18670	0.00468	0.012659	0.006037	4
BP	GO:00443 4/88	143/18670	0.00468	0.012659	0.006037	4
BP	GO:00427 6/88	330/18670	0.00469	0.012678	0.006046	6
BP	GO:19033 5/88	231/18670	0.004732	0.012774	0.006092	5
BP	GO:00324 2/88	22/18670	0.004772	0.012774	0.006092	2

BP	GO:00329 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00355 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00420 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00456 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00457 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00510 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00511 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00600 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00605 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00903 2/88	22/18670	0.004772	0.012774	0.006092	2
BP	GO:00066 3/88	72/18670	0.004773	0.012774	0.006092	3
BP	GO:00076 4/88	145/18670	0.004915	0.013133	0.006263	4
BP	GO:00076 4/88	145/18670	0.004915	0.013133	0.006263	4
BP	GO:00335 3/88	73/18670	0.004961	0.013236	0.006312	3
BP	GO:00618 3/88	73/18670	0.004961	0.013236	0.006312	3
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BP	GO:00605 5/88	235/18670	0.005086	0.013547	0.00646	5
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BP	GO:00140 3/88	74/18670	0.005153	0.013676	0.006522	3
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BP	GO:00996 3/88	74/18670	0.005153	0.013676	0.006522	3
BP	GO:00712 4/88	147/18670	0.005158	0.013678	0.006523	4
BP	GO:00434 6/88	337/18670	0.005188	0.013724	0.006545	6
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BP	GO:00086 4/88	148/18670	0.005283	0.013893	0.006625	4
BP	GO:00482 7/88	449/18670	0.00529	0.013903	0.00663	7
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BP	GO:00302 5/88	238/18670	0.005362	0.014039	0.006695	5
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BP	GO:19039 4/88	149/18670	0.005409	0.014151	0.006748	4
BP	GO:00082 4/88	150/18670	0.005538	0.014455	0.006893	4
BP	GO:00487 4/88	150/18670	0.005538	0.014455	0.006893	4
BP	GO:00717 4/88	150/18670	0.005538	0.014455	0.006893	4
BP	GO:00019 3/88	76/18670	0.005551	0.014458	0.006895	3
BP	GO:00074 3/88	76/18670	0.005551	0.014458	0.006895	3
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BP	GO:00716 2/88	24/18670	0.005667	0.014651	0.006987	2
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BP	GO:20002 2/88	24/18670	0.005667	0.014651	0.006987	2
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BP	GO:00060 4/88	154/18670	0.006072	0.015652	0.007464	4
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BP	GO:19000 3/88	79/18670	0.006182	0.015771	0.007521	3
BP	GO:19018 4/88	155/18670	0.006211	0.015823	0.007546	4
BP	GO:19026 4/88	155/18670	0.006211	0.015823	0.007546	4
BP	GO:00486 4/88	156/18670	0.006352	0.01617	0.007711	4
BP	GO:00464 5/88	248/18670	0.006363	0.016186	0.007719	5
BP	GO:00140 3/88	81/18670	0.006625	0.016715	0.007971	3
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BP	GO:19035 2/88	26/18670	0.006633	0.016715	0.007971	2
BP	GO:00091 4/88	158/18670	0.00664	0.016722	0.007974	4
BP	GO:00026 4/88	159/18670	0.006787	0.01708	0.008145	4
BP	GO:00514 6/88	357/18670	0.006824	0.017162	0.008184	6
BP	GO:00512 3/88	82/18670	0.006853	0.017196	0.008201	3
BP	GO:00517 3/88	82/18670	0.006853	0.017196	0.008201	3
BP	GO:00900 3/88	82/18670	0.006853	0.017196	0.008201	3
BP	GO:20000 5/88	253/18670	0.006909	0.017324	0.008262	5
BP	GO:00067 4/88	160/18670	0.006937	0.017357	0.008277	4
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BP	GO:00326 4/88	160/18670	0.006937	0.017357	0.008277	4
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BP	GO:20001 3/88	83/18670	0.007086	0.017673	0.008428	3
BP	GO:00326 4/88	161/18670	0.007088	0.017673	0.008428	4
BP	GO:00359 4/88	161/18670	0.007088	0.017673	0.008428	4
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BP	GO:20001 2/88	27/18670	0.007141	0.017705	0.008443	2
BP	GO:00905 5/88	256/18670	0.007252	0.017966	0.008568	5

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BP	GO:19035 4/88	163/1867C	0.007398	0.018302	0.008728	4
BP	GO:00434 5/88	258/1867C	0.007487	0.01851	0.008827	5
BP	GO:00070 4/88	164/1867C	0.007556	0.018665	0.008901	4
BP	GO:00020 3/88	85/18670	0.007566	0.018665	0.008901	3
BP	GO:00488 3/88	85/18670	0.007566	0.018665	0.008901	3
BP	GO:00030 5/88	259/1867C	0.007607	0.018743	0.008938	5
BP	GO:00031 2/88	28/18670	0.007667	0.018743	0.008938	2
BP	GO:00090 2/88	28/18670	0.007667	0.018743	0.008938	2
BP	GO:00331 2/88	28/18670	0.007667	0.018743	0.008938	2
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BP	GO:00602 2/88	28/18670	0.007667	0.018743	0.008938	2
BP	GO:00605 2/88	28/18670	0.007667	0.018743	0.008938	2
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BP	GO:19907 2/88	28/18670	0.007667	0.018743	0.008938	2
BP	GO:20001 2/88	28/18670	0.007667	0.018743	0.008938	2
BP	GO:00157 7/88	482/1867C	0.007702	0.018816	0.008973	7
BP	GO:00509 4/88	165/1867C	0.007717	0.018837	0.008983	4
BP	GO:00324 5/88	260/1867C	0.007728	0.018839	0.008984	5
BP	GO:00726 5/88	260/1867C	0.007728	0.018839	0.008984	5
BP	GO:00072 3/88	86/18670	0.007813	0.01902	0.009071	3
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BP	GO:00061 3/88	87/18670	0.008065	0.019565	0.00933	3
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BP	GO:00486 3/88	87/18670	0.008065	0.019565	0.00933	3
BP	GO:00517 3/88	87/18670	0.008065	0.019565	0.00933	3
BP	GO:00325 6/88	370/1867C	0.008072	0.019568	0.009331	6
BP	GO:00000 2/88	29/18670	0.00821	0.019728	0.009408	2
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BP	GO:00726 2/88	29/18670	0.00821	0.019728	0.009408	2
BP	GO:19000 2/88	29/18670	0.00821	0.019728	0.009408	2
BP	GO:19026 2/88	29/18670	0.00821	0.019728	0.009408	2
BP	GO:00019 4/88	168/1867C	0.008211	0.019728	0.009408	4
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BP	GO:00717 4/88	168/1867C	0.008211	0.019728	0.009408	4
BP	GO:01400 5/88	264/1867C	0.008225	0.019749	0.009418	5
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BP	GO:19018 3/88	88/18670	0.008322	0.019953	0.009515	3
BP	GO:00380 4/88	169/1867C	0.00838	0.020066	0.009569	4
BP	GO:00605 4/88	169/1867C	0.00838	0.020066	0.009569	4
BP	GO:00434 4/88	170/1867C	0.008552	0.020463	0.009759	4
BP	GO:00069 4/88	171/1867C	0.008726	0.020851	0.009943	4
BP	GO:00092 4/88	171/1867C	0.008726	0.020851	0.009943	4
BP	GO:00107 2/88	30/18670	0.00877	0.020856	0.009946	2
BP	GO:00327 2/88	30/18670	0.00877	0.020856	0.009946	2
BP	GO:00427 2/88	30/18670	0.00877	0.020856	0.009946	2
BP	GO:00459 2/88	30/18670	0.00877	0.020856	0.009946	2
BP	GO:00701 2/88	30/18670	0.00877	0.020856	0.009946	2
BP	GO:00900 2/88	30/18670	0.00877	0.020856	0.009946	2

BP	GO:00974 2/88	30/18670	0.00877	0.020856	0.009946	2
BP	GO:00140 3/88	90/18670	0.008849	0.020988	0.010009	3
BP	GO:00326 3/88	90/18670	0.008849	0.020988	0.010009	3
BP	GO:00457 3/88	90/18670	0.008849	0.020988	0.010009	3
BP	GO:00468 3/88	90/18670	0.008849	0.020988	0.010009	3
BP	GO:00091 4/88	172/18670	0.008902	0.021085	0.010055	4
BP	GO:00303 4/88	172/18670	0.008902	0.021085	0.010055	4
BP	GO:00165 4/88	173/18670	0.009081	0.021493	0.01025	4
BP	GO:00450 6/88	381/18670	0.009249	0.021877	0.010433	6
BP	GO:20012 4/88	174/18670	0.009262	0.021892	0.01044	4
BP	GO:00019 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:00026 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:00357 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:00400 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:00457 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:00458 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:19022 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:19022 2/88	31/18670	0.009346	0.021973	0.010479	2
BP	GO:20001 4/88	175/18670	0.009445	0.02219	0.010582	4
BP	GO:00303 4/88	176/18670	0.009631	0.022611	0.010783	4
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BP	GO:00075 3/88	93/18670	0.009677	0.022644	0.010798	3
BP	GO:00320 3/88	93/18670	0.009677	0.022644	0.010798	3
BP	GO:00352 3/88	93/18670	0.009677	0.022644	0.010798	3
BP	GO:00466 3/88	93/18670	0.009677	0.022644	0.010798	3
BP	GO:00092 4/88	177/18670	0.009818	0.02296	0.010949	4
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BP	GO:00516 3/88	95/18670	0.010253	0.023737	0.01132	3
BP	GO:20000 3/88	95/18670	0.010253	0.023737	0.01132	3
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BP	GO:19018 2/88	33/18670	0.010548	0.024277	0.011577	2
BP	GO:19026 2/88	33/18670	0.010548	0.024277	0.011577	2
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BP	GO:00224 4/88	181/18670	0.010594	0.024335	0.011605	4
BP	GO:00511 4/88	181/18670	0.010594	0.024335	0.011605	4
BP	GO:00091 4/88	182/18670	0.010794	0.024762	0.011808	4
BP	GO:00611 4/88	182/18670	0.010794	0.024762	0.011808	4
BP	GO:00070 3/88	97/18670	0.010848	0.024869	0.01186	3
BP	GO:00165 5/88	283/18670	0.010893	0.024957	0.011902	5
BP	GO:00020 4/88	183/18670	0.010996	0.025127	0.011983	4

BP	GO:00091 4/88	183/18670	0.010996	0.025127	0.011983	4
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BP	GO:00431 4/88	183/18670	0.010996	0.025127	0.011983	4
BP	GO:00313 3/88	98/18670	0.011153	0.025399	0.012112	3
BP	GO:00007 2/88	34/18670	0.011173	0.025399	0.012112	2
BP	GO:00342 2/88	34/18670	0.011173	0.025399	0.012112	2
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BP	GO:01060 2/88	34/18670	0.011173	0.025399	0.012112	2
BP	GO:19040 2/88	34/18670	0.011173	0.025399	0.012112	2
BP	GO:00073 4/88	185/18670	0.011408	0.025899	0.012351	4
BP	GO:19022 4/88	185/18670	0.011408	0.025899	0.012351	4
BP	GO:00229 4/88	186/18670	0.011618	0.026358	0.01257	4
BP	GO:00072 3/88	100/18670	0.011778	0.026652	0.01271	3
BP	GO:00303 3/88	100/18670	0.011778	0.026652	0.01271	3
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BP	GO:00600 3/88	100/18670	0.011778	0.026652	0.01271	3
BP	GO:00341 2/88	35/18670	0.011815	0.026684	0.012725	2
BP	GO:00602 2/88	35/18670	0.011815	0.026684	0.012725	2
BP	GO:19029 2/88	35/18670	0.011815	0.026684	0.012725	2
BP	GO:19013 4/88	187/18670	0.01183	0.026701	0.012733	4
BP	GO:00067 6/88	403/18670	0.011966	0.02699	0.012871	6
BP	GO:00091 4/88	188/18670	0.012045	0.027098	0.012923	4
BP	GO:00439 4/88	188/18670	0.012045	0.027098	0.012923	4
BP	GO:00517 4/88	188/18670	0.012045	0.027098	0.012923	4
BP	GO:19012 4/88	188/18670	0.012045	0.027098	0.012923	4
BP	GO:00326 3/88	101/18670	0.012098	0.027183	0.012963	3
BP	GO:00466 3/88	101/18670	0.012098	0.027183	0.012963	3
BP	GO:00027 2/88	36/18670	0.012472	0.027738	0.013228	2
BP	GO:00030 2/88	36/18670	0.012472	0.027738	0.013228	2
BP	GO:00107 2/88	36/18670	0.012472	0.027738	0.013228	2
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BP	GO:00309 2/88	36/18670	0.012472	0.027738	0.013228	2
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BP	GO:00343 2/88	36/18670	0.012472	0.027738	0.013228	2
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BP	GO:00713 2/88	36/18670	0.012472	0.027738	0.013228	2
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BP	GO:00903 2/88	36/18670	0.012472	0.027738	0.013228	2
BP	GO:19026 2/88	36/18670	0.012472	0.027738	0.013228	2
BP	GO:19031 2/88	36/18670	0.012472	0.027738	0.013228	2
BP	GO:20003 2/88	36/18670	0.012472	0.027738	0.013228	2
BP	GO:20011 2/88	36/18670	0.012472	0.027738	0.013228	2
BP	GO:00002 6/88	407/18670	0.012514	0.027815	0.013265	6
BP	GO:00326 3/88	103/18670	0.012752	0.028291	0.013492	3
BP	GO:00347 3/88	103/18670	0.012752	0.028291	0.013492	3
BP	GO:00356 3/88	103/18670	0.012752	0.028291	0.013492	3
BP	GO:00018 5/88	296/18670	0.013028	0.028883	0.013774	5
BP	GO:00192 3/88	104/18670	0.013087	0.028942	0.013802	3
BP	GO:00324 3/88	104/18670	0.013087	0.028942	0.013802	3
BP	GO:00987 3/88	104/18670	0.013087	0.028942	0.013802	3
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BP	GO:00016 2/88	37/18670	0.013144	0.028995	0.013827	2
BP	GO:00457 2/88	37/18670	0.013144	0.028995	0.013827	2
BP	GO:00715 2/88	37/18670	0.013144	0.028995	0.013827	2
BP	GO:19053 2/88	37/18670	0.013144	0.028995	0.013827	2

BP	GO:00085	3/88	105/1867C	0.013427	0.029582	0.014107	3
BP	GO:00451	3/88	105/1867C	0.013427	0.029582	0.014107	3
BP	GO:00706	5/88	299/1867C	0.013558	0.02985	0.014235	5
BP	GO:00022	3/88	106/1867C	0.013772	0.030284	0.014442	3
BP	GO:00022	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:00067	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:00109	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:00165	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:00482	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:00716	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:19058	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:20002	2/88	38/18670	0.013832	0.030284	0.014442	2
BP	GO:00017	4/88	196/1867C	0.013852	0.030308	0.014453	4
BP	GO:00091	4/88	197/1867C	0.014089	0.030789	0.014683	4
BP	GO:00097	4/88	197/1867C	0.014089	0.030789	0.014683	4
BP	GO:00019	3/88	107/1867C	0.014122	0.030841	0.014708	3
BP	GO:00605	4/88	198/1867C	0.014329	0.031274	0.014914	4
BP	GO:00090	3/88	108/1867C	0.014477	0.031529	0.015036	3
BP	GO:00469	3/88	108/1867C	0.014477	0.031529	0.015036	3
BP	GO:00995	3/88	108/1867C	0.014477	0.031529	0.015036	3
BP	GO:00022	2/88	39/18670	0.014536	0.031529	0.015036	2
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BP	GO:00190	2/88	39/18670	0.014536	0.031529	0.015036	2
BP	GO:00331	2/88	39/18670	0.014536	0.031529	0.015036	2
BP	GO:00335	2/88	39/18670	0.014536	0.031529	0.015036	2
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BP	GO:19022	2/88	39/18670	0.014536	0.031529	0.015036	2
BP	GO:00160	4/88	199/1867C	0.014572	0.031587	0.015063	4
BP	GO:00217	3/88	109/1867C	0.014837	0.032142	0.015328	3
BP	GO:00613	3/88	110/1867C	0.015202	0.032912	0.015695	3
BP	GO:00198	2/88	40/18670	0.015254	0.032945	0.015711	2
BP	GO:00420	2/88	40/18670	0.015254	0.032945	0.015711	2
BP	GO:00425	2/88	40/18670	0.015254	0.032945	0.015711	2
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BP	GO:00220	3/88	111/1867C	0.015572	0.033609	0.016028	3
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BP	GO:00426	3/88	112/1867C	0.015947	0.034318	0.016366	3
BP	GO:19035	3/88	112/1867C	0.015947	0.034318	0.016366	3
BP	GO:00063	2/88	41/18670	0.015988	0.034318	0.016366	2
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BP	GO:00971	2/88	41/18670	0.015988	0.034318	0.016366	2
BP	GO:00971	4/88	205/1867C	0.016082	0.034497	0.016451	4
BP	GO:00326	3/88	113/1867C	0.016327	0.035002	0.016692	3
BP	GO:00302	3/88	114/1867C	0.016712	0.035706	0.017027	3
BP	GO:00302	3/88	114/1867C	0.016712	0.035706	0.017027	3
BP	GO:00454	3/88	114/1867C	0.016712	0.035706	0.017027	3
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BP	GO:00106	2/88	42/18670	0.016737	0.035706	0.017027	2
BP	GO:00421	2/88	42/18670	0.016737	0.035706	0.017027	2
BP	GO:00511	2/88	42/18670	0.016737	0.035706	0.017027	2
BP	GO:19031	2/88	42/18670	0.016737	0.035706	0.017027	2
BP	GO:00091	4/88	208/1867C	0.016872	0.035972	0.017155	4
BP	GO:00019	2/88	43/18670	0.0175	0.03713	0.017707	2
BP	GO:00108	2/88	43/18670	0.0175	0.03713	0.017707	2
BP	GO:00331	2/88	43/18670	0.0175	0.03713	0.017707	2

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BP	GO:00457 2/88	43/18670	0.0175	0.03713	0.017707	2
BP	GO:00516 2/88	43/18670	0.0175	0.03713	0.017707	2
BP	GO:00713 2/88	43/18670	0.0175	0.03713	0.017707	2
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BP	GO:00511 3/88	117/18670	0.017898	0.03793	0.018088	3
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BP	GO:00617 2/88	44/18670	0.018278	0.038571	0.018394	2
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BP	GO:00716 2/88	44/18670	0.018278	0.038571	0.018394	2
BP	GO:19035 2/88	44/18670	0.018278	0.038571	0.018394	2
BP	GO:00019 2/88	45/18670	0.01907	0.040146	0.019145	2
BP	GO:00323 2/88	45/18670	0.01907	0.040146	0.019145	2
BP	GO:00484 2/88	45/18670	0.01907	0.040146	0.019145	2
BP	GO:19002 2/88	45/18670	0.01907	0.040146	0.019145	2
BP	GO:00026 4/88	216/18670	0.019098	0.04018	0.019161	4
BP	GO:00170 3/88	120/18670	0.019131	0.040201	0.019171	3
BP	GO:19030 3/88	120/18670	0.019131	0.040201	0.019171	3
BP	GO:00017 3/88	121/18670	0.019552	0.041036	0.019569	3
BP	GO:00486 3/88	121/18670	0.019552	0.041036	0.019569	3
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BP	GO:00713 2/88	46/18670	0.019877	0.041494	0.019788	2
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BP	GO:19000 2/88	46/18670	0.019877	0.041494	0.019788	2
BP	GO:00324 3/88	122/18670	0.019978	0.041656	0.019865	3
BP	GO:19038 3/88	122/18670	0.019978	0.041656	0.019865	3
BP	GO:00149 2/88	47/18670	0.020697	0.042952	0.020483	2
BP	GO:00319 2/88	47/18670	0.020697	0.042952	0.020483	2
BP	GO:00357 2/88	47/18670	0.020697	0.042952	0.020483	2
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BP	GO:19007 2/88	47/18670	0.020697	0.042952	0.020483	2
BP	GO:19035 2/88	47/18670	0.020697	0.042952	0.020483	2
BP	GO:00512 3/88	124/18670	0.020845	0.043233	0.020617	3
BP	GO:00026 6/88	458/18670	0.021135	0.043782	0.020879	6
BP	GO:00068 6/88	458/18670	0.021135	0.043782	0.020879	6
BP	GO:00017 2/88	48/18670	0.021532	0.044342	0.021146	2
BP	GO:00022 2/88	48/18670	0.021532	0.044342	0.021146	2
BP	GO:00075 2/88	48/18670	0.021532	0.044342	0.021146	2
BP	GO:00080 2/88	48/18670	0.021532	0.044342	0.021146	2
BP	GO:00352 2/88	48/18670	0.021532	0.044342	0.021146	2
BP	GO:00468 2/88	48/18670	0.021532	0.044342	0.021146	2
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BP	GO:19055 2/88	48/18670	0.021532	0.044342	0.021146	2
BP	GO:00512 3/88	126/18670	0.021733	0.044704	0.021319	3
BP	GO:00901 3/88	126/18670	0.021733	0.044704	0.021319	3
BP	GO:00344 4/88	226/18670	0.022126	0.045485	0.021691	4

BP	GO:00025 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:00030 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:00032 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:00431 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:00619 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:00713 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:00717 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:19015 2/88	49/18670	0.02238	0.045793	0.021838	2
BP	GO:00064 4/88	227/18670	0.022444	0.045896	0.021887	4
BP	GO:00512 3/88	128/18670	0.022641	0.046273	0.022067	3
BP	GO:00032 3/88	129/18670	0.023103	0.047162	0.022491	3
BP	GO:00508 3/88	129/18670	0.023103	0.047162	0.022491	3
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BP	GO:00140 2/88	50/18670	0.023242	0.047281	0.022548	2
BP	GO:00455 2/88	50/18670	0.023242	0.047281	0.022548	2
BP	GO:00706 2/88	50/18670	0.023242	0.047281	0.022548	2
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BP	GO:01061 2/88	50/18670	0.023242	0.047281	0.022548	2
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BP	GO:00512 3/88	131/18670	0.024042	0.048824	0.023283	3
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BP	GO:00019 2/88	51/18670	0.024118	0.04892	0.023329	2
BP	GO:20012 2/88	51/18670	0.024118	0.04892	0.023329	2
BP	GO:00723 3/88	132/18670	0.02452	0.049706	0.023704	3
BP	GO:00031 2/88	52/18670	0.025007	0.050606	0.024133	2
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BP	GO:20006 2/88	52/18670	0.025007	0.050606	0.024133	2
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BP	GO:19033 3/88	135/18670	0.025982	0.052188	0.024888	3
BP	GO:00510 4/88	238/18670	0.026127	0.052449	0.025012	4
BP	GO:00224 5/88	357/18670	0.026816	0.053787	0.02565	5
BP	GO:00326 2/88	54/18670	0.026825	0.053787	0.02565	2
BP	GO:19036 3/88	137/18670	0.026983	0.054073	0.025787	3
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BP	GO:00610 2/88	55/18670	0.027753	0.05549	0.026462	2
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BP	GO:00901 2/88	56/18670	0.028694	0.057111	0.027235	2
BP	GO:00725 6/88	493/18670	0.028969	0.057625	0.027481	6
BP	GO:19033 4/88	247/18670	0.029396	0.058442	0.02787	4

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BP	GO:01201 3/88	143/18670	0.030107	0.059686	0.028463	3
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BP	GO:00024 6/88	499/18670	0.030481	0.060359	0.028784	6
BP	GO:00600 3/88	144/18670	0.030645	0.06065	0.028923	3
BP	GO:00018 2/88	59/18670	0.031593	0.062349	0.029733	2
BP	GO:00105 2/88	59/18670	0.031593	0.062349	0.029733	2
BP	GO:00328 2/88	59/18670	0.031593	0.062349	0.029733	2
BP	GO:00336 2/88	59/18670	0.031593	0.062349	0.029733	2
BP	GO:00610 2/88	59/18670	0.031593	0.062349	0.029733	2
BP	GO:00181 2/88	60/18670	0.032584	0.064233	0.030632	2
BP	GO:00330 2/88	60/18670	0.032584	0.064233	0.030632	2
BP	GO:00082 3/88	149/18670	0.033414	0.065758	0.031359	3
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BP	GO:00031 2/88	61/18670	0.033587	0.065914	0.031433	2
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BP	GO:00305 2/88	61/18670	0.033587	0.065914	0.031433	2
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BP	GO:00486 2/88	61/18670	0.033587	0.065914	0.031433	2
BP	GO:00163 3/88	150/18670	0.033983	0.066616	0.031768	3
BP	GO:00507 3/88	150/18670	0.033983	0.066616	0.031768	3
BP	GO:00550 3/88	151/18670	0.034557	0.06749	0.032185	3
BP	GO:19031 3/88	151/18670	0.034557	0.06749	0.032185	3
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BP	GO:00108 2/88	62/18670	0.034602	0.06749	0.032185	2
BP	GO:00326 2/88	62/18670	0.034602	0.06749	0.032185	2
BP	GO:00328 2/88	62/18670	0.034602	0.06749	0.032185	2
BP	GO:00466 2/88	62/18670	0.034602	0.06749	0.032185	2
BP	GO:00488 2/88	62/18670	0.034602	0.06749	0.032185	2
BP	GO:00550 2/88	62/18670	0.034602	0.06749	0.032185	2
BP	GO:00309 3/88	152/18670	0.035136	0.068455	0.032645	3
BP	GO:00326 3/88	152/18670	0.035136	0.068455	0.032645	3
BP	GO:00072 4/88	262/18670	0.035364	0.068861	0.032839	4
BP	GO:00075 2/88	63/18670	0.03563	0.069147	0.032975	2
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BP	GO:00466 2/88	63/18670	0.03563	0.069147	0.032975	2
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BP	GO:00342 3/88	153/18670	0.03572	0.069284	0.033041	3
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BP	GO:00509 2/88	64/18670	0.036668	0.07081	0.033768	2
BP	GO:00448 4/88	266/18670	0.037066	0.071538	0.034116	4
BP	GO:00148 2/88	65/18670	0.037719	0.072718	0.034678	2
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BP	GO:00466 2/88	66/18670	0.038781	0.074683	0.035615	2
BP	GO:19052 2/88	66/18670	0.038781	0.074683	0.035615	2
BP	GO:20005 2/88	67/18670	0.039854	0.076708	0.036581	2

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BP	GO:00302 3/88	160/18670	0.039948	0.076805	0.036627	3
BP	GO:00614 4/88	273/18670	0.040157	0.077163	0.036798	4
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BP	GO:19901 3/88	168/18670	0.045077	0.085146	0.040605	3
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BP	GO:00508 2/88	72/18670	0.045386	0.085146	0.040605	2
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BP	GO:00456 3/88	169/18670	0.045741	0.085146	0.040605	3
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BP	GO:00485 4/88	288/18670	0.047262	0.086953	0.041466	4
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BP	GO:00066 2/88	75/18670	0.048834	0.089375	0.042622	2
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CC	GO:00451 15/88	315/19717	8.98E-12	1.13E-09	9.14E-10	15
CC	GO:00988 15/88	316/19717	9.39E-12	1.13E-09	9.14E-10	15
CC	GO:00985 15/88	328/19717	1.59E-11	1.28E-09	1.04E-09	15
CC	GO:00905 9/88	163/19717	4.72E-08	2.83E-06	2.30E-06	9
CC	GO:00447 9/88	201/19717	2.83E-07	1.36E-05	1.10E-05	9
CC	GO:00056 11/88	365/19717	6.74E-07	2.70E-05	2.19E-05	11
CC	GO:00007 10/88	377/19717	6.95E-06	0.000238	0.000193	10
CC	GO:00448 6/88	109/19717	9.32E-06	0.00028	0.000227	6
CC	GO:00059 5/88	80/19717	2.92E-05	0.000778	0.000631	5
CC	GO:00451 9/88	384/19717	5.41E-05	0.001297	0.001053	9
CC	GO:00098 9/88	393/19717	6.46E-05	0.001409	0.001143	9
CC	GO:00620 9/88	406/19717	8.28E-05	0.001657	0.001344	9
CC	GO:00099 3/88	34/19717	0.000465	0.007981	0.006476	3
CC	GO:00057 7/88	309/19717	0.000466	0.007981	0.006476	7
CC	GO:01201 4/88	84/19717	0.000544	0.008283	0.006721	4
CC	GO:00163 7/88	318/19717	0.000552	0.008283	0.006721	7
CC	GO:00319 7/88	339/19717	0.000805	0.011361	0.009219	7
CC	GO:00003 3/88	42/19717	0.00087	0.011594	0.009408	3
CC	GO:00057 5/88	178/19717	0.001213	0.015322	0.012432	5
CC	GO:00432 3/88	49/19717	0.001365	0.016374	0.013286	3

CC	GO:00451 3/88	51/19717	0.001532	0.017514	0.014211	3
CC	GO:00319 5/88	201/19717	0.00207	0.020318	0.016486	5
CC	GO:19041 3/88	57/19717	0.002112	0.020318	0.016486	3
CC	GO:00198 5/88	203/19717	0.002161	0.020318	0.016486	5
CC	GO:00059 7/88	405/19717	0.002231	0.020318	0.016486	7
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CC	GO:00301 6/88	303/19717	0.002366	0.020318	0.016486	6
CC	GO:00328 5/88	208/19717	0.002401	0.020318	0.016486	5
CC	GO:00300 7/88	412/19717	0.002455	0.020318	0.016486	7
CC	GO:00163 2/88	18/19717	0.002876	0.023011	0.018671	2
CC	GO:00347 6/88	321/19717	0.003148	0.024371	0.019775	6
CC	GO:00310 3/88	67/19717	0.003349	0.025117	0.02038	3
CC	GO:00602 6/88	338/19717	0.00405	0.029458	0.023902	6
CC	GO:00469 2/88	23/19717	0.004688	0.032876	0.026675	2
CC	GO:00057 6/88	350/19717	0.004794	0.032876	0.026675	6
CC	GO:00312 2/88	24/19717	0.005099	0.033996	0.027585	2
CC	GO:00430 7/88	497/19717	0.006801	0.044111	0.035792	7
CC	GO:19025 3/88	88/19717	0.007174	0.045307	0.036762	3
CC	GO:00310 3/88	91/19717	0.007866	0.048407	0.039277	3
CC	GO:00328 2/88	32/19717	0.008955	0.053729	0.043596	2
MF	GO:00037 8/88	56/17697	3.16E-10	1.10E-07	6.78E-08	8
MF	GO:00048 7/88	47/17697	3.16E-09	3.65E-07	2.26E-07	7
MF	GO:00985 7/88	47/17697	3.16E-09	3.65E-07	2.26E-07	7
MF	GO:00010 10/88	155/17697	4.99E-09	4.33E-07	2.68E-07	10
MF	GO:00020 9/88	128/17697	1.44E-08	9.99E-07	6.18E-07	9
MF	GO:00051 9/88	132/17697	1.89E-08	1.00E-06	6.21E-07	9
MF	GO:00316 12/88	290/17697	2.02E-08	1.00E-06	6.21E-07	12
MF	GO:00443 12/88	308/17697	3.93E-08	1.71E-06	1.06E-06	12
MF	GO:00167 8/88	159/17697	1.24E-06	4.80E-05	2.97E-05	8
MF	GO:00051 10/88	286/17697	1.54E-06	5.36E-05	3.32E-05	10
MF	GO:00199 8/88	185/17697	3.86E-06	0.000122	7.54E-05	8
MF	GO:00480 12/88	482/17697	4.57E-06	0.00013	8.06E-05	12
MF	GO:00200 7/88	135/17697	4.88E-06	0.00013	8.06E-05	7
MF	GO:00054 6/88	95/17697	7.76E-06	0.000181	0.000112	6
MF	GO:00469 7/88	145/17697	7.82E-06	0.000181	0.000112	7
MF	GO:00044 6/88	99/17697	9.84E-06	0.000213	0.000132	6
MF	GO:00012 11/88	439/17697	1.11E-05	0.000225	0.000139	11
MF	GO:00510 6/88	102/17697	1.17E-05	0.000225	0.000139	6
MF	GO:00051 8/88	220/17697	1.37E-05	0.00023	0.000142	8
MF	GO:00514 3/88	10/17697	1.39E-05	0.00023	0.000142	3
MF	GO:00705 3/88	10/17697	1.39E-05	0.00023	0.000142	3
MF	GO:00042 7/88	160/17697	1.49E-05	0.000235	0.000145	7
MF	GO:00977 4/88	33/17697	2.09E-05	0.000316	0.000195	4
MF	GO:00166 3/88	13/17697	3.28E-05	0.000474	0.000293	3
MF	GO:00082 7/88	182/17697	3.41E-05	0.000474	0.000293	7
MF	GO:00171 7/88	186/17697	3.92E-05	0.000523	0.000324	7
MF	GO:00167 4/88	39/17697	4.11E-05	0.000528	0.000327	4
MF	GO:00041 10/88	427/17697	5.07E-05	0.000619	0.000383	10
MF	GO:00971 3/88	15/17697	5.18E-05	0.000619	0.000383	3
MF	GO:00198 6/88	137/17697	6.21E-05	0.000718	0.000445	6
MF	GO:00199 6/88	140/17697	7.01E-05	0.000784	0.000485	6
MF	GO:00010 3/88	20/17697	0.000127	0.001382	0.000855	3
MF	GO:00508 10/88	499/17697	0.000183	0.001923	0.00119	10
MF	GO:00166 5/88	107/17697	0.000193	0.001974	0.001222	5
MF	GO:00428 5/88	111/17697	0.00023	0.002277	0.001409	5
MF	GO:00198 6/88	180/17697	0.000277	0.002668	0.001651	6
MF	GO:00310 5/88	119/17697	0.000317	0.002975	0.001841	5
MF	GO:00704 4/88	71/17697	0.00043	0.003928	0.002431	4

MF	GO:00167 3/88	32/17697	0.000531	0.004493	0.002781	3
MF	GO:00302 3/88	32/17697	0.000531	0.004493	0.002781	3
MF	GO:00517 3/88	32/17697	0.000531	0.004493	0.002781	3
MF	GO:00192 6/88	207/17697	0.000582	0.004808	0.002975	6
MF	GO:00055 3/88	34/17697	0.000636	0.005132	0.003176	3
MF	GO:00511 4/88	80/17697	0.000677	0.005228	0.003235	4
MF	GO:00011 3/88	35/17697	0.000693	0.005228	0.003235	3
MF	GO:00015 3/88	35/17697	0.000693	0.005228	0.003235	3
MF	GO:00198 3/88	36/17697	0.000753	0.005562	0.003442	3
MF	GO:00512 4/88	83/17697	0.000778	0.005621	0.003479	4
MF	GO:00336 4/88	85/17697	0.00085	0.006013	0.003721	4
MF	GO:00083 3/88	38/17697	0.000884	0.006013	0.003721	3
MF	GO:00162 3/88	38/17697	0.000884	0.006013	0.003721	3
MF	GO:00717 2/88	10/17697	0.001072	0.007153	0.004427	2
MF	GO:00518 3/88	41/17697	0.001105	0.007233	0.004476	3
MF	GO:00452 2/88	11/17697	0.001306	0.008239	0.005099	2
MF	GO:00526 2/88	11/17697	0.001306	0.008239	0.005099	2
MF	GO:00328 3/88	46/17697	0.001545	0.009509	0.005885	3
MF	GO:00048 2/88	12/17697	0.001562	0.009509	0.005885	2
MF	GO:00040 2/88	13/17697	0.00184	0.010913	0.006754	2
MF	GO:00080 3/88	49/17697	0.001856	0.010913	0.006754	3
MF	GO:00047 2/88	14/17697	0.00214	0.012173	0.007533	2
MF	GO:00360 2/88	14/17697	0.00214	0.012173	0.007533	2
MF	GO:00154 3/88	52/17697	0.002202	0.012324	0.007627	3
MF	GO:00514 5/88	185/17697	0.0023	0.012416	0.007684	5
MF	GO:00011 3/88	53/17697	0.002326	0.012416	0.007684	3
MF	GO:00050 3/88	53/17697	0.002326	0.012416	0.007684	3
MF	GO:00090 4/88	114/17697	0.002513	0.013211	0.008176	4
MF	GO:00314 5/88	193/17697	0.002762	0.014099	0.008725	5
MF	GO:00051 2/88	16/17697	0.002804	0.014099	0.008725	2
MF	GO:00101 2/88	16/17697	0.002804	0.014099	0.008725	2
MF	GO:00055 3/88	59/17697	0.003159	0.015264	0.009446	3
MF	GO:00971 3/88	59/17697	0.003159	0.015264	0.009446	3
MF	GO:00051 2/88	17/17697	0.003167	0.015264	0.009446	2
MF	GO:00431 5/88	205/17697	0.003576	0.016997	0.010519	5
MF	GO:00047 3/88	62/17697	0.003636	0.017051	0.010552	3
MF	GO:00048 3/88	63/17697	0.003804	0.017602	0.010893	3
MF	GO:00332 3/88	64/17697	0.003977	0.01816	0.011238	3
MF	GO:00020 3/88	66/17697	0.004337	0.019296	0.011941	3
MF	GO:00423 3/88	66/17697	0.004337	0.019296	0.011941	3
MF	GO:00192 3/88	67/17697	0.004524	0.019625	0.012145	3
MF	GO:00303 3/88	67/17697	0.004524	0.019625	0.012145	3
MF	GO:00611 5/88	219/17697	0.004729	0.020258	0.012537	5
MF	GO:00081 2/88	21/17697	0.004828	0.02043	0.012643	2
MF	GO:00037 6/88	319/17697	0.005147	0.021519	0.013317	6
MF	GO:00010 3/88	72/17697	0.005533	0.02254	0.013949	3
MF	GO:00010 3/88	72/17697	0.005533	0.02254	0.013949	3
MF	GO:00012 2/88	23/17697	0.005779	0.02254	0.013949	2
MF	GO:00441 2/88	23/17697	0.005779	0.02254	0.013949	2
MF	GO:00704 2/88	23/17697	0.005779	0.02254	0.013949	2
MF	GO:00162 4/88	144/17697	0.005781	0.02254	0.013949	4
MF	GO:00016 3/88	74/17697	0.005972	0.022771	0.014092	3
MF	GO:01040 3/88	74/17697	0.005972	0.022771	0.014092	3
MF	GO:00352 4/88	152/17697	0.006981	0.026331	0.016295	4
MF	GO:00191 3/88	79/17697	0.007157	0.026703	0.016525	3
MF	GO:00040 2/88	26/17697	0.007352	0.026781	0.016573	2
MF	GO:00302 3/88	80/17697	0.007409	0.026781	0.016573	3
MF	GO:00463 3/88	80/17697	0.007409	0.026781	0.016573	3

MF	GO:00080	3/88	82/17697	0.00793	0.028367	0.017555	3
MF	GO:00162	3/88	86/17697	0.009034	0.031253	0.01934	3
MF	GO:00192	3/88	86/17697	0.009034	0.031253	0.01934	3
MF	GO:00350	2/88	29/17697	0.009097	0.031253	0.01934	2
MF	GO:00510	2/88	29/17697	0.009097	0.031253	0.01934	2
MF	GO:00303	2/88	30/17697	0.009715	0.03273	0.020254	2
MF	GO:00433	2/88	30/17697	0.009715	0.03273	0.020254	2
MF	GO:00051	2/88	31/17697	0.010352	0.034539	0.021374	2
MF	GO:00352	3/88	92/17697	0.010853	0.035865	0.022195	3
MF	GO:00048	6/88	375/17697	0.010987	0.035967	0.022258	6
MF	GO:00166	2/88	35/17697	0.013077	0.042408	0.026244	2
MF	GO:00082	2/88	37/17697	0.014544	0.046729	0.028918	2
MF	GO:00042	3/88	103/17697	0.0147	0.046797	0.02896	3
MF	GO:00165	2/88	38/17697	0.015303	0.048273	0.029873	2
MF	GO:00422	5/88	295/17697	0.015853	0.049557	0.030668	5
MF	GO:00017	2/88	40/17697	0.016871	0.052268	0.032346	2
MF	GO:00055	4/88	200/17697	0.01767	0.054261	0.033579	4
MF	GO:00303	2/88	42/17697	0.018504	0.055833	0.034552	2
MF	GO:00305	2/88	42/17697	0.018504	0.055833	0.034552	2
MF	GO:00012	2/88	43/17697	0.019344	0.056886	0.035203	2
MF	GO:00047	2/88	43/17697	0.019344	0.056886	0.035203	2
MF	GO:00169	2/88	43/17697	0.019344	0.056886	0.035203	2
MF	GO:00041	3/88	116/17697	0.020123	0.058677	0.036312	3
MF	GO:00991	3/88	118/17697	0.021042	0.059937	0.037091	3
MF	GO:00010	2/88	45/17697	0.021073	0.059937	0.037091	2
MF	GO:00481	2/88	45/17697	0.021073	0.059937	0.037091	2
MF	GO:00046	6/88	439/17697	0.022166	0.062532	0.038697	6
MF	GO:00165	2/88	49/17697	0.024715	0.069161	0.0428	2
MF	GO:00708	2/88	50/17697	0.025662	0.071239	0.044085	2
MF	GO:00453	2/88	51/17697	0.026625	0.073324	0.045376	2
MF	GO:00506	2/88	52/17697	0.027602	0.075416	0.04667	2
MF	GO:00047	3/88	134/17697	0.029219	0.078597	0.048639	3
MF	GO:00708	3/88	134/17697	0.029219	0.078597	0.048639	3

KEGG analysis

ID	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	Count
hsa05417	29/85	215/8108	3.53E-25	7.83E-23	2.79E-23	29
hsa05418	24/85	139/8108	2.01E-23	2.24E-21	7.95E-22	24
hsa04933	20/85	100/8108	6.71E-21	4.96E-19	1.76E-19	20
hsa04657	16/85	94/8108	1.17E-15	6.49E-14	2.31E-14	16
hsa01522	16/85	98/8108	2.34E-15	1.04E-13	3.69E-14	16
hsa05161	18/85	162/8108	3.79E-14	1.39E-12	4.95E-13	18
hsa05215	15/85	97/8108	4.39E-14	1.39E-12	4.95E-13	15
hsa05210	14/85	86/8108	1.58E-13	4.39E-12	1.56E-12	14
hsa05160	17/85	157/8108	3.26E-13	7.14E-12	2.54E-12	17
hsa05207	19/85	212/8108	3.55E-13	7.14E-12	2.54E-12	19
hsa01524	13/85	73/8108	3.72E-13	7.14E-12	2.54E-12	13
hsa04668	15/85	112/8108	3.93E-13	7.14E-12	2.54E-12	15
hsa05222	14/85	92/8108	4.18E-13	7.14E-12	2.54E-12	14
hsa05167	18/85	194/8108	8.90E-13	1.41E-11	5.02E-12	18
hsa05219	10/85	41/8108	8.02E-12	1.19E-10	4.22E-11	10
hsa05162	15/85	139/8108	9.80E-12	1.36E-10	4.84E-11	15
hsa05163	17/85	225/8108	1.13E-10	1.47E-09	5.23E-10	17
hsa04115	11/85	73/8108	1.82E-10	2.24E-09	7.97E-10	11
hsa05224	14/85	147/8108	2.80E-10	3.02E-09	1.07E-09	14
hsa05133	11/85	76/8108	2.85E-10	3.02E-09	1.07E-09	11
hsa05212	11/85	76/8108	2.85E-10	3.02E-09	1.07E-09	11
hsa05142	12/85	102/8108	5.00E-10	5.05E-09	1.79E-09	12

hsa04932	14/85	155/8108	5.70E-10	5.50E-09	1.96E-09	14
hsa04620	12/85	104/8108	6.29E-10	5.82E-09	2.07E-09	12
hsa04215	8/85	32/8108	8.94E-10	7.94E-09	2.82E-09	8
hsa04066	12/85	109/8108	1.09E-09	9.34E-09	3.32E-09	12
hsa04210	13/85	136/8108	1.23E-09	1.01E-08	3.60E-09	13
hsa04915	13/85	138/8108	1.48E-09	1.17E-08	4.17E-09	13
hsa05225	14/85	168/8108	1.66E-09	1.27E-08	4.51E-09	14
hsa05169	15/85	202/8108	2.04E-09	1.51E-08	5.37E-09	15
hsa05205	15/85	205/8108	2.50E-09	1.79E-08	6.37E-09	15
hsa05152	14/85	180/8108	4.09E-09	2.84E-08	1.01E-08	14
hsa01521	10/85	79/8108	7.47E-09	5.03E-08	1.79E-08	10
hsa04926	12/85	129/8108	7.72E-09	5.04E-08	1.79E-08	12
hsa04151	18/85	354/8108	1.79E-08	1.14E-07	4.04E-08	18
hsa05145	11/85	112/8108	1.93E-08	1.19E-07	4.23E-08	11
hsa05164	13/85	172/8108	2.19E-08	1.32E-07	4.68E-08	13
hsa04010	16/85	294/8108	4.88E-08	2.81E-07	1.00E-07	16
hsa05223	9/85	72/8108	4.94E-08	2.81E-07	1.00E-07	9
hsa04380	11/85	128/8108	7.81E-08	4.33E-07	1.54E-07	11
hsa05140	9/85	77/8108	8.98E-08	4.86E-07	1.73E-07	9
hsa04064	10/85	104/8108	1.09E-07	5.79E-07	2.06E-07	10
hsa05213	8/85	58/8108	1.31E-07	6.75E-07	2.40E-07	8
hsa05165	16/85	331/8108	2.51E-07	1.27E-06	4.50E-07	16
hsa05226	11/85	149/8108	3.71E-07	1.82E-06	6.49E-07	11
hsa05166	13/85	219/8108	3.78E-07	1.82E-06	6.49E-07	13
hsa05323	9/85	93/8108	4.67E-07	2.21E-06	7.85E-07	9
hsa04917	8/85	70/8108	5.82E-07	2.67E-06	9.49E-07	8
hsa04218	11/85	156/8108	5.89E-07	2.67E-06	9.49E-07	11
hsa05218	8/85	72/8108	7.25E-07	3.22E-06	1.14E-06	8
hsa05144	7/85	50/8108	7.52E-07	3.27E-06	1.16E-06	7
hsa05130	12/85	197/8108	8.43E-07	3.60E-06	1.28E-06	12
hsa05214	8/85	75/8108	9.96E-07	4.17E-06	1.48E-06	8
hsa05146	9/85	102/8108	1.03E-06	4.24E-06	1.51E-06	9
hsa05220	8/85	76/8108	1.10E-06	4.46E-06	1.58E-06	8
hsa05135	10/85	137/8108	1.45E-06	5.76E-06	2.05E-06	10
hsa05131	13/85	247/8108	1.49E-06	5.80E-06	2.06E-06	13
hsa04659	9/85	107/8108	1.55E-06	5.92E-06	2.10E-06	9
hsa05132	13/85	249/8108	1.63E-06	6.13E-06	2.18E-06	13
hsa04370	7/85	59/8108	2.38E-06	8.81E-06	3.13E-06	7
hsa04012	8/85	85/8108	2.61E-06	9.50E-06	3.38E-06	8
hsa05202	11/85	192/8108	4.56E-06	1.63E-05	5.81E-06	11
hsa05171	12/85	232/8108	4.70E-06	1.66E-05	5.89E-06	12
hsa04510	11/85	201/8108	7.09E-06	2.46E-05	8.75E-06	11
hsa05170	11/85	212/8108	1.18E-05	3.94E-05	1.40E-05	11
hsa04625	8/85	104/8108	1.19E-05	3.94E-05	1.40E-05	8
hsa04660	8/85	104/8108	1.19E-05	3.94E-05	1.40E-05	8
hsa04621	10/85	185/8108	2.13E-05	6.95E-05	2.47E-05	10
hsa05020	12/85	273/8108	2.45E-05	7.87E-05	2.80E-05	12
hsa05134	6/85	57/8108	2.63E-05	8.34E-05	2.96E-05	6
hsa04722	8/85	119/8108	3.19E-05	9.97E-05	3.54E-05	8
hsa05416	6/85	60/8108	3.54E-05	0.000109	3.88E-05	6
hsa05235	7/85	89/8108	3.73E-05	0.000113	4.02E-05	7
hsa05216	5/85	37/8108	3.77E-05	0.000113	4.02E-05	5
hsa05415	10/85	203/8108	4.73E-05	0.00014	4.98E-05	10
hsa05231	7/85	98/8108	6.94E-05	0.000203	7.21E-05	7
hsa05206	12/85	310/8108	8.46E-05	0.000244	8.67E-05	12
hsa04137	6/85	72/8108	9.98E-05	0.000284	0.000101	6
hsa05022	15/85	476/8108	0.000108	0.000304	0.000108	15
hsa04913	5/85	51/8108	0.000181	0.000502	0.000179	5

hsa04071	7/85	119/8108	0.000236	0.000646	0.00023	7
hsa04217	8/85	159/8108	0.000245	0.000664	0.000236	8
hsa04919	7/85	121/8108	0.000261	0.000698	0.000248	7
hsa05203	9/85	204/8108	0.000267	0.000705	0.000251	9
hsa04068	7/85	131/8108	0.000424	0.001108	0.000394	7
hsa05143	4/85	37/8108	0.000571	0.001473	0.000524	4
hsa04371	7/85	138/8108	0.000581	0.001482	0.000527	7
hsa04914	6/85	100/8108	0.000603	0.001522	0.000541	6
hsa05211	5/85	69/8108	0.000747	0.001863	0.000662	5
hsa05120	5/85	70/8108	0.000798	0.001946	0.000692	5
hsa05230	5/85	70/8108	0.000798	0.001946	0.000692	5
hsa04928	6/85	106/8108	0.000821	0.001981	0.000705	6
hsa04931	6/85	108/8108	0.000906	0.002162	0.000769	6
hsa04921	7/85	154/8108	0.001112	0.002626	0.000934	7
hsa04934	7/85	155/8108	0.001155	0.002698	0.00096	7
hsa04670	6/85	114/8108	0.001201	0.002777	0.000988	6
hsa04630	7/85	162/8108	0.001492	0.003396	0.001208	7
hsa04935	6/85	119/8108	0.001499	0.003396	0.001208	6
hsa05010	11/85	369/8108	0.001541	0.003455	0.001229	11
hsa04662	5/85	82/8108	0.00163	0.003619	0.001287	5
hsa04110	6/85	124/8108	0.001851	0.004068	0.001447	6
hsa04610	5/85	85/8108	0.001912	0.004162	0.00148	5
hsa04658	5/85	92/8108	0.002708	0.005836	0.002076	5
hsa04912	5/85	93/8108	0.002839	0.006059	0.002155	5
hsa04014	8/85	232/8108	0.002877	0.006083	0.002163	8
hsa04910	6/85	137/8108	0.003058	0.006404	0.002277	6
hsa04140	6/85	141/8108	0.003527	0.007317	0.002602	6
hsa00140	4/85	61/8108	0.003728	0.007663	0.002725	4
hsa04062	7/85	192/8108	0.003891	0.007925	0.002818	7
hsa05217	4/85	63/8108	0.004188	0.008453	0.003006	4
hsa04929	4/85	64/8108	0.004432	0.008865	0.003152	4
hsa05321	4/85	65/8108	0.004686	0.009288	0.003303	4
hsa05221	4/85	67/8108	0.005222	0.010258	0.003648	4
hsa04920	4/85	69/8108	0.005797	0.011191	0.00398	4
hsa05204	4/85	69/8108	0.005797	0.011191	0.00398	4
hsa04622	4/85	70/8108	0.0061	0.011674	0.004152	4
hsa04024	7/85	219/8108	0.007905	0.014999	0.005334	7
hsa03320	4/85	76/8108	0.008141	0.015316	0.005447	4
hsa05332	3/85	42/8108	0.00951	0.017684	0.006289	3
hsa04611	5/85	124/8108	0.009559	0.017684	0.006289	5
hsa04940	3/85	43/8108	0.010147	0.018616	0.00662	3
hsa04060	8/85	295/8108	0.011866	0.021592	0.007679	8
hsa04930	3/85	46/8108	0.012204	0.022027	0.007833	3
hsa05014	9/85	365/8108	0.013836	0.024771	0.008809	9
hsa04211	4/85	89/8108	0.013988	0.024842	0.008834	4
hsa05168	11/85	498/8108	0.014431	0.025426	0.009042	11
hsa05016	8/85	306/8108	0.014548	0.025431	0.009044	8
hsa05012	7/85	249/8108	0.015294	0.026526	0.009433	7
hsa00330	3/85	51/8108	0.016129	0.027757	0.009871	3
hsa04072	5/85	148/8108	0.019328	0.033006	0.011738	5
hsa04640	4/85	99/8108	0.019941	0.033792	0.012017	4
hsa04061	4/85	100/8108	0.02061	0.034662	0.012326	4
hsa04923	3/85	57/8108	0.021671	0.036173	0.012864	3
hsa00220	2/85	22/8108	0.021902	0.036285	0.012904	2
hsa04310	5/85	166/8108	0.029907	0.048963	0.017412	5
hsa00790	2/85	26/8108	0.029995	0.048963	0.017412	2
hsa04725	4/85	113/8108	0.030576	0.0492	0.017496	4
hsa04022	5/85	167/8108	0.030584	0.0492	0.017496	5

hsa04141	5/85	171/8108	0.033387	0.053323	0.018963	5
hsa04664	3/85	68/8108	0.03421	0.054248	0.019291	3
hsa04152	4/85	120/8108	0.036942	0.058164	0.020684	4
hsa04020	6/85	240/8108	0.039716	0.062091	0.022081	6
hsa04114	4/85	129/8108	0.046172	0.071679	0.025491	4
hsa00980	3/85	78/8108	0.048238	0.073569	0.026162	3
hsa04612	3/85	78/8108	0.048238	0.073569	0.026162	3
hsa04650	4/85	131/8108	0.048383	0.073569	0.026162	4
hsa04728	4/85	132/8108	0.04951	0.074771	0.02659	4