

Systematic genome-wide microRNAome reveals their roles in protein metabolism associated with dairy milk quality: omics based insights on utilization of low quality forage resources

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Supplementary information

Table S1. Function categories of the predicted targets of 20 top commonly expressed microRNAs in rumen, duodenum, jejunum, liver and mammary gland.

Function category	FDR	# of gene
Organismal Survival	6.64E-28	759
Cellular Growth and Proliferation	4.29E-22	1083
Cell Death and Survival	1.32E-21	995
Cell Morphology	1.23E-18	697
Cellular Movement	1.23E-18	643
Cardiovascular System Development and Function	1.02E-16	427
Organismal Development	1.61E-15	927
Cellular Function and Maintenance	8.58E-15	858
Tissue Morphology	5.19E-14	710
Cellular Development	8.72E-13	999
Molecular Transport	2.24E-12	613
Gene Expression	2.49E-11	649
Hematological System Development and Function	2.86E-11	539
Cell Cycle	8.95E-10	393
Organ Morphology	1.52E-09	403
Tissue Development	2.50E-09	820
Cellular Assembly and Organization	3.77E-09	560
Embryonic Development	5.47E-09	677
Lipid Metabolism	7.73E-09	394
Small Molecule Biochemistry	7.73E-09	599

Table S2. Tissue-specific miRNAs in the rumen, duodenum, jejunum, liver and mammary gland.

MicroRNA	Tissue	Average	
		CPM	standard error
miR-1434-3p	Rumen	1.3	0.18
miR-2284f	Rumen	1	0.14
miR-2299-3p	Rumen	1.4	0.15
miR-2320-5p	Rumen	1.7	0.15
miR-2344	Rumen	1.8	0.3
miR-2349	Rumen	1.3	0.15
miR-2368-3p	Rumen	1.6	0.14
miR-2387	Rumen	1.9	0.41
miR-2425-5p	Rumen	1.5	0.4
miR-2448-3p	Rumen	1.6	0.25
miR-6121-3p	Rumen	1.4	0.26
miR-615	Rumen	2.4	0.28
miR-6525	Rumen	1.1	0.16
miR-6527	Rumen	1.9	0.3
miR-216b	Duodenum	1.2	0.11
miR-2284p	Duodenum	0.9	0.08
miR-2285l	Duodenum	1	0.13
miR-383	Duodenum	1.3	0.3
miR-2320-3p	Jejunum	1	0.1
miR-6526	Jejunum	2.9	0.47
miR-122	Liver	11020.9	277.62
miR-1247-3p	Liver	1.9	0.55
miR-1940	Liver	1	0.17
miR-2399-5p	Liver	1.7	0.19
miR-2415-3p	Liver	8.4	1.86
miR-2483-3p	Liver	29.2	4.23
miR-3957	Liver	1.9	0.42
miR-433	Liver	2.6	0.34
miR-551b	Liver	1.5	0.22
miR-6518	Liver	0.8	0.14
miR-6521	Liver	1.9	0.25
miR-758	Liver	1.7	0.19
miR-1298	Mammary gland	2.8	0.92
miR-134	Mammary gland	0.9	0.12
miR-196b	Mammary gland	62.6	8.01
miR-2284j	Mammary gland	12.3	1.19
miR-376d	Mammary gland	1.1	0.2

Table S3. Tissue-dependent differentially expressed miRNAs in the rumen, duodenum, jejunum, liver and mammary gland.

MicroRNA	Duodenu			Mammary		P	Standard error mean	Different expressed
	Rumen	m	Jejunum	Liver	gland			
miR-10a	14558B	13736B	41168A	3275C	4047C	<0.001	2700.09	Jejunum(up)
miR-223	65.3C	244.1B	553.5A	107.7C	37C	<0.001	32.74	Jejunum(up)
miR-145	2296.5A	2241.2A	2383.5A	586.1C	1247.3B	<0.001	169.16	Liver(down)
miR-199b	1132.6A	1102.1A	1187.6A	215.6C	821.6B	<0.001	66.63	Liver(down)
miR-200a	3815.4A	2144.7B	1403B	100.8C	4264.8A	<0.001	385.28	Liver(down)
miR-2336	53.4A	52.8A	53.4A	19C	44.5B	<0.001	2.54	Liver(down)
miR-324	12B	23.5A	25.5A	5C	13.9B	<0.001	1.32	Liver(down)
miR-34a	185.7A	108.7B	105B	51.1C	119.1B	<0.001	11.16	Liver(down)
miR-362-5p	23A	14.4B	13B	5.2C	21.6A	<0.001	1.39	Liver(down)
miR-6120-3								
p	25.2B	29.5BA	28.2B	7C	35.2A	<0.001	2.32	Liver(down)
				21244.7				
miR-101	5357.2B	2686.8C	3050C	A	6421.2B	<0.001	512.32	Liver(up)
miR-144	9.1B	7.4B	9.4B	84.5A	13.6B	<0.001	4.31	Liver(up)
miR-154c	9.7C	19CB	21.2CB	106A	36.1B	<0.001	6.08	Liver(up)
miR-185	25.5C	39.2CB	33.9CB	86.4A	43.2B	<0.001	5.68	Liver(up)
miR-22-3p	39540B	18005C	19203C	129073A	24654C	<0.001	3329.83	Liver(up)
miR-22-5p	34CB	26.8CD	23.2D	85.3A	39.3B	<0.001	3.42	Liver(up)
miR-2285f	133.9B	118.8B	114B	468.7A	76.4C	<0.001	9.48	Liver(up)
miR-339a	436.3C	470.8C	480.8C	1349.2A	659.9B	<0.001	42.91	Liver(up)
miR-410	14.7D	32.1CD	38.5CB	131.4A	57.8B	<0.001	8.04	Liver(up)
miR-411c-5								
p	13.8C	13.3C	17.5C	65.6A	27.7B	<0.001	3.37	Liver(up)
miR-451	203.9B	105.9B	131.6B	1063.7A	275.1B	<0.001	67.46	Liver(up)
miR-543	1.8CB	1.2C	1.4C	10.3A	3.1B	<0.001	0.55	Liver(up)
miR-874	23.4B	20.9B	26.4B	176.3A	15.7B	<0.001	4.41	Liver(up)
miR-487b	5C	10.3CB	11.4CB	42.8A	17B	<0.001	2.57	Liver(up),Rumen(down)
miR-146a	1225B	3664.6A	3802A	1204.7B	503.2C	<0.001	199.37	Mammary gland(down)
miR-455-3p	106.8A	78.1B	96.2BA	90.2BA	14.4C	<0.001	7.91	Mammary gland(down)
miR-505	35.9B	33.4B	30.7B	64.2A	14.4C	<0.001	2.18	Mammary gland(down)
let-7c	1064.5B	519.6C	530.1C	1105.7B	2324.6A	<0.001	123.61	Mammary gland(up)
miR-10b	28356CB	15974CD	37713B	1349D	98658A	<0.001	5898.92	Mammary gland(up)
miR-141	11165B	6511C	4630C	285D	29858A	<0.001	1523.83	Mammary gland(up)
miR-1839	145.6B	129B	125B	118.9B	362.6A	<0.001	19.69	Mammary gland(up)
miR-190a	15.8B	35.5B	44.1B	4.5B	108.7A	<0.001	15.8	Mammary gland(up)
miR-200c	1756.7B	1031.3C	682.5DC	29.3D	5113.8A	<0.001	245.28	Mammary gland(up)
miR-2285t	29.2B	33.2B	30B	73.5B	879.8A	<0.001	69.31	Mammary gland(up)
miR-340	12.8B	11.8B	10.8B	9B	28.3A	<0.001	2.08	Mammary gland(up)
miR-34c	4.2B	15B	10.3B	6.2B	61.8A	<0.001	4.82	Mammary gland(up)

miR-362-3p	8.4B	10.9B	9B	4.5B	32.9A	<0.001	2.28	Mammary gland(up)
						0.04595353		
miR-379	5.7B	16.4B	11.7B	13.7B	67.5A	9	15.38	Mammary gland(up)
miR-502a	2.4B	1.9B	2B	1.8B	12A	<0.001	0.6	Mammary gland(up)
miR-6522	5.9B	4B	5.5B	2.4B	95.1A	<0.001	2.15	Mammary gland(up)
miR-660	1465.7B	1139.4B	1166.1B	936.4B	3656.3A	<0.001	179.88	Mammary gland(up)
miR-96	22.9B	13.7CB	9.3CB	1.1C	93.1A	<0.001	5.27	Mammary gland(up)
miR-99a-5p	684.8B	441.1B	364B	607.3B	2487.4A	<0.001	207.02	Mammary gland(up)
miR-139	33.9E	92.8D	129.3C	226.2A	161.4B	<0.001	8.66	Rumen(down)
miR-2419-5								
p	25.4C	196BA	240.5A	141.5B	196.7BA	<0.001	22.84	Rumen(down)
miR-450b	23.9C	122.9BA	128.6A	142.9A	96.9B	<0.001	9.8	Rumen(down)
miR-574	16C	89.7A	84.5A	42B	37.4B	<0.001	3.4	Rumen(down)
						0.00717880		
miR-1271	132.7A	48.2B	38B	4.1B	46.3B	4	26.43	Rumen(up)
miR-147	688.4A	40.5B	48.5B	11.7B	17.6B	<0.001	14.49	Rumen(up)
miR-149-5p	183.1A	16.1B	17.1B	22.3B	20B	<0.001	6.13	Rumen(up)
miR-193a-3								
p	1225.9A	27.1C	28.6C	240.3CB	284.9B	<0.001	84.05	Rumen(up)
miR-19a	454.4A	179.4B	160CB	74D	97.2CD	<0.001	25.31	Rumen(up)
miR-210	736.2A	41.6B	41.3B	77.9B	92.1B	<0.001	18.04	Rumen(up)
miR-21-3p	808.9A	91.1B	148.4B	80.1B	79.3B	<0.001	34.14	Rumen(up)
miR-224	104.6A	19.7D	21.3D	49.5B	32.5C	<0.001	3.71	Rumen(up)
			2085.4C					
miR-23b-3p	5088.2A	2392B	B	970.7D	1753.3C	<0.001	170.77	Rumen(up)
	11433.5							
miR-27a-3p	A	2590.8B	2833.2B	1615.9C	2736.7B	<0.001	263.84	Rumen(up)
miR-27a-5p	23.1A	2.5C	2.6C	2.1C	7.2B	<0.001	0.82	Rumen(up)
miR-27b	103506A	31482CB	33606CB	36298B	30081C	<0.001	1833.8	Rumen(up)
miR-31	4519A	331.7B	278B	654.1B	520B	<0.001	145.1	Rumen(up)
miR-3431	125.6A	22.2C	21.7C	43.7B	40.3B	<0.001	3.97	Rumen(up)
miR-378	55197A	9994B	8847B	1220C	1408C	<0.001	1462.14	Rumen(up)
miR-378b	182.2A	48.8B	38.8B	8.1C	7C	<0.001	5.71	Rumen(up)
miR-378c	2115.8A	362.2B	350.3B	61.2C	95.7C	<0.001	51.77	Rumen(up)
			1003.3C					
miR-429	2576.7A	1097.8B	B	70.2D	820.1C	<0.001	90.13	Rumen(up)
miR-452	22.1A	4.8D	4.7D	6.8C	10.6B	<0.001	0.7	Rumen(up)
miR-6523	9.3A	2.1C	3.3B	2.3C	1.5C	<0.001	0.36	Rumen(up)
miR-93	2398.1A	1133.5B	1170.7B	728.1C	509.9D	<0.001	58.08	Rumen(up)
miR-23a	3014.6A	1000.8B	1041.4B	432.9C	1094.7B	<0.001	91.12	Rumen(up),Liver(down)
miR-24-3p	3344.6A	1659.7B	1479.8B	610.3C	1462.4B	<0.001	200.7	Rumen(up),Liver(down)
								Rumen(up),Mammary
miR-708	179.6A	41.5B	46.4B	65.8B	14.7C	<0.001	8.71	gland(down)

Table S4. Predicted targets of tissue-dependent differentially expressed microRNAs in rumen, duodenum, jejunum, liver and mammary gland and function categories predominantly targeted by them.

MicroRNA category	Function category	FDR	# Molecules	
Rumen-up regulated	Cell Death and Survival	4.62E-36	1411	
	Cellular Growth and Proliferation	2.34E-34	1505	
	Organismal Survival	4.02E-33	1016	
	Cellular Assembly and Organization	6.23E-28	849	
	Cellular Function and Maintenance	6.23E-28	1253	
	Cell Morphology	8.97E-25	1078	
	Gene Expression	2.93E-23	942	
	Cellular Movement	5.38E-21	863	
	Molecular Transport	6.31E-21	966	
	Cardiovascular System Development and Function	2.73E-19	606	
	Cellular Development	4.53E-19	1394	
Rumen-down regulated	Cell Death and Survival	1.26E-08	513	
	Cell Morphology	4.14E-08	417	
	Cellular Growth and Proliferation	5.14E-08	546	
	Cellular Movement	2.15E-07	321	
	Nervous System Development and Function	4.47E-06	325	
	Organismal Survival	4.47E-06	336	
	Cellular Assembly and Organization	6.31E-06	275	
	Cellular Function and Maintenance	6.31E-06	465	
	Cellular Compromise	3.45E-05	84	
	Tissue Morphology	3.45E-05	330	
	Cellular Development	4.63E-05	511	
	Gene Expression	5.13E-05	318	
	Jejunum up-regulated	Cellular Development	0.00807	113
		Cellular Growth and Proliferation	0.00807	127
Cell Signaling		0.011	55	
Cardiovascular System Development and Function		0.011	56	
Cellular Movement		0.0173	86	
Cell Morphology		0.0173	100	
Organismal Development		0.0242	74	
Cell Death and Survival		0.0294	113	
Tissue Morphology		0.0352	82	
Skeletal and Muscular System Development and Function		0.0383	47	
Tissue Development		0.0383	77	
Nucleic Acid Metabolism		0.0424	9	
Small Molecule Biochemistry		0.0424	44	

	Hair and Skin Development and Function	0.0473	22
	Organismal Survival	0.0473	83
	Organ Morphology	0.0476	31
	Cellular Assembly and Organization	0.0492	71
	Cellular Function and Maintenance	0.0492	71
Liver up-regulated	Cell Death and Survival	6.9E-21	961
	Organismal Survival	6.09E-20	706
	Cellular Growth and Proliferation	6.95E-19	1033
	Cell Morphology	3.05E-15	736
	Cellular Assembly and Organization	1.02E-13	572
	Cellular Function and Maintenance	1.02E-13	838
	Cellular Movement	3.27E-13	587
	Molecular Transport	1.97E-12	672
	Cardiovascular System Development and Function	2.78E-11	376
	Organismal Development	2.78E-11	879
	Cellular Development	5.72E-11	920
Liver down-regulated	Cellular Growth and Proliferation	6.67E-22	843
	Organismal Survival	2.38E-21	553
	Cell Morphology	2.37E-16	659
	Cellular Movement	2.37E-16	496
	Cellular Assembly and Organization	2.37E-16	476
	Cellular Function and Maintenance	2.37E-16	715
	Cell Death and Survival	7.71E-16	756
	Molecular Transport	1.85E-12	491
	Organismal Development	1.5E-11	681
	Tissue Morphology	6.78E-11	518
Mammary gland up-regulated	Organismal Survival	1.1E-18	589
	Cell Morphology	1.24E-16	683
	Cellular Growth and Proliferation	6.17E-14	881
	Cell Death and Survival	3.21E-13	800
	Cellular Assembly and Organization	5.07E-12	487
	Cellular Function and Maintenance	5.07E-12	695
	Molecular Transport	2.66E-10	507
	Gene Expression	3.53E-09	516
	Cellular Movement	4.29E-09	502
	Cardiovascular System Development and Function	1.48E-08	335
Mammary gland down-regulated	Organismal Survival	1.31E-09	334
	Cell Death and Survival	8.34E-09	439
	Cellular Growth and Proliferation	0.000000162	482
	Cell Morphology	0.0000176	314
	Cellular Movement	0.0000483	260
	Immune Cell Trafficking	0.0000483	144
	Cellular Function and Maintenance	0.000072	354

Cellular Assembly and Organization	0.000113	243
Cellular Development	0.00014	409
Cardiovascular System Development and Function	0.000141	183
Tissue Development	0.000141	331
Hematological System Development and Function	0.000152	248
Post-Translational Modification	0.000164	142

Table S5. Conservation analysis miRNAs.

MicroRNA	Conservation
let-7a-3p	Poorly conserved
let-7a-5p	Highly conserved
let-7b	Highly conserved
let-7d	Highly conserved
let-7e	Highly conserved
let-7f	Highly conserved
let-7g	Highly conserved
let-7i	Highly conserved
miR-1	Highly conserved
miR-100	Highly conserved
miR-103	Highly conserved
miR-106a	Highly conserved
miR-106b	Highly conserved
miR-107	Highly conserved
miR-1185	Poorly conserved
miR-1246	Poorly conserved
miR-1249	Poorly conserved
miR-125a	Highly conserved
miR-125b	Highly conserved
miR-1260b	Poorly conserved
miR-126-3p	Poorly conserved
miR-126-5p	Poorly conserved
miR-127	Conserved
miR-128	Highly conserved
miR-1291	Poorly conserved
miR-1296	Poorly conserved
miR-1306	Poorly conserved
miR-1307	Poorly conserved
miR-130a	Highly conserved
miR-130b	Highly conserved
miR-132	Highly conserved
miR-133a	Highly conserved
miR-133b	Highly conserved
miR-1343-3p	Poorly conserved
miR-136	Conserved
miR-138	Highly conserved
miR-1388-3p	Poorly conserved
miR-1388-5p	Poorly conserved
miR-140	Poorly conserved
miR-142-3p	Poorly conserved
miR-142-5p	Poorly conserved
miR-143	Highly conserved

miR-1468	Poorly conserved
miR-146b	Highly conserved
miR-148a	Highly conserved
miR-148b	Highly conserved
miR-150	Highly conserved
miR-151-3p	Poorly conserved
miR-151-5p	Poorly conserved
miR-152	Highly conserved
miR-154b	Poorly conserved
miR-155	Highly conserved
miR-15a	Highly conserved
miR-15b	Highly conserved
miR-16a	Highly conserved
miR-16b	Highly conserved
miR-17-3p	Poorly conserved
miR-17-5p	Highly conserved
miR-1814c	Bovine specific
miR-181a	Highly conserved
miR-181b	Highly conserved
miR-181c	Highly conserved
miR-181d	Highly conserved
miR-182	Highly conserved
miR-183	Highly conserved
miR-186	Conserved
miR-188	Poorly conserved
miR-18a	Highly conserved
miR-190b	Highly conserved
miR-191	Highly conserved
miR-192	Highly conserved
miR-193a-5p	Poorly conserved
miR-193b	Highly conserved
miR-194	Highly conserved
miR-195	Highly conserved
miR-197	Conserved
miR-199a-3p	Poorly conserved
miR-199a-5p	Highly conserved
miR-199c	Poorly conserved
miR-19b	Highly conserved
miR-200b	Highly conserved
miR-204	Highly conserved
miR-20a	Highly conserved
miR-214	Highly conserved
miR-215	Highly conserved
miR-21-5p	Highly conserved

miR-218	Highly conserved
miR-219-5p	Highly conserved
miR-221	Highly conserved
miR-222	Highly conserved
miR-2284aa	Bovine specific
miR-2284k	Bovine specific
miR-2284v	Bovine specific
miR-2284w	Bovine specific
miR-2284x	Bovine specific
miR-2284y	Bovine specific
miR-2284z	Bovine specific
miR-2285b	Bovine specific
miR-2285c	Bovine specific
miR-2285e	Bovine specific
miR-2285g	Bovine specific
miR-2285k	Bovine specific
miR-2285o	Bovine specific
miR-2285q	Bovine specific
miR-2285u	Bovine specific
miR-2299-5p	Bovine specific
miR-2310	Bovine specific
miR-2332	Poorly conserved
miR-2339	Bovine specific
miR-24	Poorly conserved
miR-2411-3p	Poorly conserved
miR-2424	Poorly conserved
miR-2443	Bovine specific
miR-2478	Bovine specific
miR-2484	Bovine specific
miR-2487	Bovine specific
miR-25	Highly conserved
miR-26a	Highly conserved
miR-26b	Highly conserved
miR-28	Conserved
miR-2887	Bovine specific
miR-2904	Bovine specific
miR-296	Poorly conserved
miR-29a	Poorly conserved
miR-29b	Highly conserved
miR-29c	Highly conserved
miR-29d	Poorly conserved
miR-301a	Highly conserved
miR-301b	Highly conserved
miR-30a-5p	Highly conserved

miR-30b-3p	Poorly conserved
miR-30b-5p	Highly conserved
miR-30c	Highly conserved
miR-30d	Highly conserved
miR-30e-5p	Highly conserved
miR-30f	Highly conserved
miR-32	Highly conserved
miR-320a	Conserved
miR-326	Conserved
miR-328	Conserved
miR-331	Poorly conserved
miR-335	Conserved
miR-338	Highly conserved
miR-339b	Conserved
miR-33a	Highly conserved
miR-33b	Highly conserved
miR-342	Conserved
miR-3432	Poorly conserved
miR-345-3p	Poorly conserved
miR-345-5p	Poorly conserved
miR-361	Conserved
miR-3613	Poorly conserved
miR-363	Poorly conserved
miR-365-3p	Highly conserved
miR-369-3p	Poorly conserved
miR-369-5p	Poorly conserved
miR-374a	Conserved
miR-374b	Conserved
miR-375	Poorly conserved
miR-376b	Conserved
miR-376e	Conserved
miR-380-3p	Poorly conserved
miR-381	Conserved
miR-411a	Poorly conserved
miR-411c-3p	Bovine specific
miR-421	Conserved
miR-423-3p	Poorly conserved
miR-423-5p	Poorly conserved
miR-424-5p	Highly conserved
miR-425-3p	Poorly conserved
miR-425-5p	Poorly conserved
miR-4286	Poorly conserved
miR-432	Poorly conserved
miR-449a	Highly conserved

miR-450a	Conserved
miR-454	Highly conserved
miR-455-5p	Highly conserved
miR-484	Poorly conserved
miR-486	Conserved
miR-490	Highly conserved
miR-491	Conserved
miR-493	Poorly conserved
miR-494	Conserved
miR-495	Conserved
miR-497	Highly conserved
miR-499	Highly conserved
miR-500	Poorly conserved
miR-502b	Poorly conserved
miR-504	Conserved
miR-532	Poorly conserved
miR-545-3p	Poorly conserved
miR-545-5p	Poorly conserved
miR-582	Poorly conserved
miR-6119-3p	Bovine specific
miR-6119-5p	Bovine specific
miR-6123	Bovine specific
miR-628	Poorly conserved
miR-6517	Bovine specific
miR-652	Poorly conserved
miR-6520	Bovine specific
miR-6524	Bovine specific
miR-6529	Poorly conserved
miR-655	Poorly conserved
miR-665	Poorly conserved
miR-671	Poorly conserved
miR-677	Poorly conserved
miR-7	Highly conserved
miR-744	Poorly conserved
miR-760-3p	Poorly conserved
miR-769	Poorly conserved
miR-877	Poorly conserved
miR-92a	Highly conserved
miR-92b	Highly conserved
miR-95	Poorly conserved
miR-9-5p	Highly conserved
miR-98	Highly conserved
miR-99a-3p	Poorly conserved
miR-99b	Highly conserved

miR-10a	Highly conserved
miR-223	Highly conserved
miR-145	Highly conserved
miR-199b	Highly conserved
miR-200a	Highly conserved
miR-2336	Bovine specific
miR-324	Conserved
miR-34a	Highly conserved
miR-362-5p	Poorly conserved
miR-6120-3p	Bovine specific
miR-101	Highly conserved
miR-144	Highly conserved
miR-154c	Poorly conserved
miR-185	Conserved
miR-22-3p	Highly conserved
miR-22-5p	Poorly conserved
miR-2285f	Bovine specific
miR-339a	Conserved
miR-410	Conserved
miR-411c-5p	Bovine specific
miR-451	Highly conserved
miR-543	Conserved
miR-874	Conserved
miR-487b	Conserved
miR-146a	Highly conserved
miR-455-3p	Poorly conserved
miR-505	Conserved
let-7c	Highly conserved
miR-10b	Highly conserved
miR-141	Highly conserved
miR-1839	Poorly conserved
miR-190a	Highly conserved
miR-200c	Highly conserved
miR-2285t	Bovine specific
miR-340	Poorly conserved
miR-34c	Highly conserved
miR-362-3p	Conserved
miR-379	Conserved
miR-502a	Poorly conserved
miR-6522	Bovine specific
miR-660	Poorly conserved
miR-96	Highly conserved
miR-99a-5p	Highly conserved
miR-139	Highly conserved

miR-2419-5p	Bovine specific
miR-450b	Poorly conserved
miR-574	Poorly conserved
miR-1271	Highly conserved
miR-147	Poorly conserved
miR-149-5p	Conserved
miR-193a-3p	Highly conserved
miR-19a	Highly conserved
miR-210	Poorly conserved
miR-21-3p	Poorly conserved
miR-224	Conserved
miR-23b-3p	Highly conserved
miR-27a-3p	Highly conserved
miR-27a-5p	Poorly conserved
miR-27b	Highly conserved
miR-31	Highly conserved
miR-3431	Poorly conserved
miR-378	Conserved
miR-378b	Poorly conserved
miR-378c	Conserved
miR-429	Highly conserved
miR-452	Poorly conserved
miR-6523	Bovine specific
miR-93	Highly conserved
miR-23a	Highly conserved
miR-24-3p	Highly conserved
miR-708	Conserved
miR-1434-3p	Bovine specific
miR-2284f	Bovine specific
miR-2299-3p	Bovine specific
miR-2320-5p	Poorly conserved
miR-2344	Bovine specific
miR-2349	Bovine specific
miR-2368-3p	Bovine specific
miR-2387	Poorly conserved
miR-2425-5p	Bovine specific
miR-2448-3p	Bovine specific
miR-6121-3p	Bovine specific
miR-615	Poorly conserved
miR-6525	Bovine specific
miR-6527	Bovine specific
miR-216b	Highly conserved
miR-2284p	Bovine specific
miR-2285l	Bovine specific

miR-383	Highly conserved
miR-2320-3p	Poorly conserved
miR-6526	Bovine specific
miR-122	Highly conserved
miR-1247-3p	Poorly conserved
miR-1940	Poorly conserved
miR-2399-5p	Bovine specific
miR-2415-3p	Bovine specific
miR-2483-3p	Poorly conserved
miR-3957	Poorly conserved
miR-433	Conserved
miR-551b	Poorly conserved
miR-6518	Bovine specific
miR-6521	Bovine specific
miR-758	Conserved
miR-1298	Poorly conserved
miR-134	Conserved
miR-196b	Highly conserved
miR-2284j	Bovine specific
miR-376d	Conserved

Table S6. Predicted function categories of top 10 highly expressed bovine specific microRNAs in rumen, duodenum, jejunum, liver and mammary gland.

Tissue	Diseases or Functions Annotation	FDR	# Molecules
Rumen	Proliferation Of Cells	1.62E-19	881
	Organismal Death	1.62E-19	618
	Expression Of Rna	4.67E-17	547
	Transcription	1.21E-16	493
	Transcription Of Rna	1.79E-16	485
	Necrosis	1.79E-16	636
	Cancer	3.46E-16	2219
	Cell Death Of Tumor Cell Lines	1.40E-15	402
	Apoptosis	2.94E-15	645
	Organismal Death	1.34E-18	589
Duodenum	Proliferation Of Cells	2.41E-16	825
	Expression Of Rna	2.97E-14	511
	Transcription	7.26E-14	460
	Transcription Of Rna	1.33E-13	452
	Cancer	1.36E-13	2097
	Neoplasia Of Epithelial Tissue	2.27E-13	1772
	Epithelial Cancer	8.27E-13	1737
	Solid Tumor	1.05E-12	2027
	Cell Death Of Tumor Cell Lines	1.53E-12	372
	Organismal Death	1.34E-18	589
Jejunum	Proliferation Of Cells	2.41E-16	825
	Expression Of Rna	2.97E-14	511
	Transcription	7.26E-14	460
	Transcription Of Rna	1.33E-13	452
	Cancer	1.36E-13	2097
	Neoplasia Of Epithelial Tissue	2.27E-13	1772
	Epithelial Cancer	8.27E-13	1737
	Solid Tumor	1.05E-12	2027
	Cell Death Of Tumor Cell Lines	1.53E-12	372
	Organismal Death	2.23E-16	640
Liver	Cancer	2.99E-16	2370
	Malignant Solid Tumor	1.39E-15	2277
	Proliferation Of Cells	1.94E-15	909
	Solid Tumor	3.60E-15	2290
	Epithelial Cancer	4.32E-14	1955
	Neoplasia Of Epithelial Tissue	8.34E-14	1988
	Necrosis	2.42E-13	656
	Cell Death	1.73E-12	823
	Expression Of Rna	4.31E-12	551
	Mammary gland	Organismal Death	3.60E-18

Proliferation Of Cells	1.41E-14	878
Malignant Solid Tumor	1.41E-14	2197
Epithelial Cancer	1.41E-14	1896
Cancer	1.42E-14	2282
Solid Tumor	3.56E-14	2209
Neoplasia Of Epithelial Tissue	3.56E-14	1926
Necrosis	7.71E-13	634
Cell Death Of Tumor Cell Lines	1.61E-12	399
Cell Death	2.44E-12	797
Expression Of Rna	9.32E-12	533

Table S7. Correlation between feed efficiency and microRNAs in dairy rumen, duodenum, jejunum, liver, and mammary gland under different diets.

Tissue	Di et	miRNA	Phenotype (P<0.05)			Positive/negative associated with traits	AL vs RS		RS vs CS		AL vs CS		
			Feed efficiency	Nitrogen efficiency	Milk urea nitrogen		P	log2(folde r change)	P	log2(folde r change)	P	log2(folde r change)	
	A	miR-66		0.860195			0.1		0.6		0.2		
Rumen	L	0	-	741	-	Positive	2	-0.20	3	0.03	3	-0.17	
	A	miR-23					0.8		0.8		0.9		
Rumen	L	32	-	-		Positive	5	0.20	0	-0.23	9	-0.02	
	A	miR-24					0.8		0.8		0.9		
Rumen	L	11-3p	-	-	9	Positive	3	0.21	4	-0.14	4	0.07	
	A	miR-34					0.0		0.6		0.1		
Rumen	L	5-3p	-	-	631	Positive	4	-0.50	8	0.08	2	-0.43	
	A	miR-22					0.6		0.6		0.5		
Rumen	L	84x	-	-	236	Positive	4	0.10	2	0.04	3	0.14	
	A	miR-37					0.7		0.1		0.3		
Rumen	L	8b	-	-	971	Positive	5	0.08	2	-0.32	6	-0.24	Rumen(Up)
	A	miR-37					0.2		0.1		0.0		
Rumen	L	8	-	-	147	Positive	7	-0.19	6	-0.26	3	-0.46	Rumen(Up)
	A	miR-13	0.83866	0.816061			0.0		0.1		0.6		
Rumen	L	0a	3266	23	-	Positive	3	-0.28	3	0.20	6	-0.08	
	A	miR-26					0.1		0.1		0.8		
Rumen	L	b	-	925	-	Positive	3	-0.23	1	0.20	8	-0.03	
	A	miR-16					0.0		0.7		0.0		
Rumen	L	b	-	83	-	Positive	7	-0.34	2	-0.04	7	-0.39	
Rumen	A	miR-12	0.87180	0.852690	-	Positive	0.3	-0.21	0.3	0.18	0.8	-0.03	

	L	6-5p	2328	754			2	5	9				
	A	miR-22		0.853611			0.0	0.8	0.0		Rumen(Speci		
Rumen	L	99-3p	-	268	-	Positive	9	-0.83	4	0.00	6	-0.83	fic)
	A	miR-61		0.854564			0.1	0.4	0.0				
Rumen	L	23	-	557	-	Positive	4	-0.27	1	-0.15	8	-0.42	
	A	miR-18		0.862239			0.0	0.3	0.0				
Rumen	L	1d	-	651	-	Positive	6	-0.26	3	0.12	8	-0.14	
	A	miR-23	0.93358	0.862844			0.5	0.0	0.0				
Rumen	L	76	3849	117	-	Positive	7	0.21	3	-0.82	7	-0.62	
	A	miR-61		0.866912			0.0	0.6	0.0				
Rumen	L	19-5p	-	636	-	Positive	6	-0.55	7	0.07	5	-0.48	
	A	miR-65		0.931872			0.7	0.9	0.7				
Rumen	L	2	-	658	-	Positive	2	-0.11	8	-0.01	5	-0.12	
	A	miR-33	0.81016				0.6	0.7	0.9				
Rumen	L	5	6749	-	-	Positive	9	-0.10	3	0.09	8	-0.01	
	A	miR-19	0.81936				0.9	0.2	0.2				
Rumen	L	2	2592	-	-	Positive	0	0.02	5	-0.18	2	-0.16	
	A	miR-61	0.86295				0.0	0.0	0.3				
Rumen	L	20-3p	8742	-	-	Positive	1	-0.64	4	0.42	5	-0.22	
	A	miR-23	0.94363				0.3	0.9	0.4				
Rumen	L	46	1573	-	-	Positive	1	-0.49	1	0.04	5	-0.44	
	A	miR-48		-0.827917			0.2	0.3	0.8				
Rumen	L	6	-	-	489	Negative	2	0.66	0	-0.58	7	0.08	
	A	miR-48		-0.819711			0.5	0.2	0.7				
Rumen	L	4	-	-	329	Negative	5	0.12	0	-0.19	3	-0.08	
	A	miR-12	-0.8213	-0.922619			0.7	0.5	0.3				
Rumen	L	96	24046	737	-	Negative	6	-0.07	2	-0.11	1	-0.18	
Rumen	A	miR-23	-	-0.914016	-	Negative	0.2	1.24	0.1	-0.71	0.5	0.53	Rumen(Speci

	L	87		374		3		1		1		fic)
	A	miR-37		-0.844973		0.2		0.9		0.3		
Rumen	L	9	-	1	-	Negative	5	1.09	3	-0.07	2	1.02
	A			-0.827354			0.1	0.0		0.9		
Rumen	L	miR-7	-	199	-	Negative	8	0.54	3	-0.50	1	0.03
	A	miR-24		-0.822645			0.3	0.7		0.3		Rumen(Speci
Rumen	L	25-5p	-	303	-	Negative	1	1.06	7	-0.13	7	0.94
	A	miR-49		-0.819513			0.7	0.6		0.9		fic)
Rumen	L	1	-	06	-	Negative	1	0.17	3	-0.17	8	0.00
	A			-0.818840			0.3	0.7		0.4		
Rumen	L	miR-1	-	46	-	Negative	6	1.40	0	-0.24	0	1.16
	C	miR-13		0.850884			0.0	0.3		0.0		
Rumen	S	0b	-	-	72	Positive	0	-0.77	9	-0.18	1	-0.95
	C	miR-30		0.858901			0.1	0.1		0.6		
Rumen	S	a-5p	-	-	214	Positive	8	0.23	6	-0.15	3	0.08
	C	miR-13		0.816963			0.0	0.2		0.1		
Rumen	S	8	-	946	-	Positive	2	-1.03	6	0.42	7	-0.62
	C	miR-30		0.829365			0.0	0.2		0.1		
Rumen	S	1a	-	703	-	Positive	4	-0.40	6	0.11	2	-0.28
	C			0.831316			0.0	0.6		0.0		
Rumen	S	miR-93	-	326	-	Positive	2	-0.39	9	0.05	3	-0.34
	C	miR-87		0.840341			0.0	0.4		0.2		Rumen(Up)
Rumen	S	7	-	938	-	Positive	5	-0.56	5	0.18	1	-0.38
	C	miR-10		0.854437			0.0	0.1		0.0		
Rumen	S	3	-	391	-	Positive	0	-0.49	3	0.13	3	-0.36
	C	miR-22		0.856305			0.2	0.4		0.1		
Rumen	S	84b	-	204	-	Positive	7	0.24	7	0.29	4	0.53
Rumen	C	miR-54	-	0.861168	-	Positive	0.8	0.10	0.2	0.27	0.3	0.37

	S	5-3p		765			1		4		7		
	C	miR-10		0.868992			0.0		0.6		0.1		
Rumen	S	7	-	043	-	Positive	2	-0.35	3	0.06	2		-0.29
	C	miR-33		0.872153			0.6		0.7		0.9		
Rumen	S	5	-	436	-	Positive	9	-0.10	3	0.09	8		-0.01
	C	miR-22		0.926048			0.6		0.6		0.5		
Rumen	S	84x	-	841	-	Positive	4	0.10	2	0.04	3		0.14
	C	miR-14					0.2		0.2		0.7		
Rumen	S	7	-	0.937943	-	Positive	0	-0.24	2	0.18	2		-0.06 Rumen(Up)
	C	miR-58		0.956953			0.1		0.8		0.4		
Rumen	S	2	-	612	-	Positive	8	0.15	4	-0.03	8		0.13
	C	miR-45	0.81850				0.1		0.0		0.4		
Rumen	S	5-5p	538	-	-	Positive	9	-0.22	3	0.34	8		0.12
	C	miR-24	0.85445				0.0		0.0		0.7		
Rumen	S	31-3p	3352	-	-	Positive	5	1.10	0	-1.00	3		0.10
	C	miR-14	0.86704				0.0		0.3		0.0		
Rumen	S	0	6385	-	-	Positive	4	-0.45	0	0.13	7		-0.32
	C	miR-22	0.90612				0.0		0.3		0.0		
Rumen	S	84y	1668	-	-	Positive	5	1.10	4	0.13	4		1.23
	C	miR-29	0.92281				0.6		0.0		0.4		
Rumen	S	c	1064	-	-	Positive	8	-0.09	3	0.27	6		0.18
	C	miR-36	0.92825				0.2		0.1		0.7		
Rumen	S	2-3p	7749	-	-	Positive	1	-0.45	1	0.34	8		-0.11
	C	miR-12			-0.940310		0.0		0.5		0.2		
Rumen	S	49	-	-	531	Negative	7	-0.62	0	0.17	2		-0.45
	C	miR-29			-0.925167		0.2		0.2		1.0		
Rumen	S	04	-	-	695	Negative	4	-0.59	2	0.59	0		0.00
Rumen	C	miR-28	-	-	-0.877797	Negative	0.0	-1.66	0.2	0.61	0.0		-1.05

	S	87			315		5		7		8	
	C	miR-41			-0.841724		0.5		0.4		0.6	
Rumen	S	1c-3p	-	-	437	Negative	7	-0.42	0	0.68	7	0.26
	C	miR-50			-0.836241		0.0		0.6		0.2	
Rumen	S	4	-	-	525	Negative	1	-0.68	7	0.12	0	-0.56
	C	miR-12			-0.832971		0.0		0.0		0.9	
Rumen	S	60b	-	-	249	Negative	2	-0.75	1	0.72	0	-0.03
	C	miR-37			-0.830032		0.2		0.5		0.5	
Rumen	S	6e	-	-	367	Negative	9	-0.68	5	0.34	9	-0.34
	C	miR-37			-0.820203		0.2		0.9		0.3	
Rumen	S	9	-	-	364	Negative	5	1.09	3	-0.07	2	1.02
	C	miR-33			-0.813215		0.0		0.1		0.0	
Rumen	S	1	-	-	458	Negative	0	-1.06	1	0.34	1	-0.72
	C	miR-10			-0.904270		0.1		0.9		0.1	
Rumen	S	a	-		768	Negative	1	0.41	5	0.01	5	0.42
	C	miR-27			-0.901282		0.0		0.2		0.0	
Rumen	S	b	-		071	Negative	1	0.30	3	-0.11	7	0.19
	C	miR-23			-0.868055		0.7		0.7		0.5	
Rumen	S	49	-		792	Negative	9	0.11	9	0.12	9	0.22
	C	miR-14			-0.859660		0.2		0.3		0.0	
Rumen	S	6a	-		962	Negative	7	-0.37	0	-0.22	6	-0.60
	C	miR-99	-0.8812		-0.829890		0.0		0.3		0.0	
Rumen	S	b	04568		824	Negative	2	2.40	4	-0.17	2	2.23
	C	miR-22	-0.9664				0.0		0.4		0.3	
Rumen	S	3	19612	-		Negative	4	-1.39	7	0.45	1	-0.94
	C	miR-19	-0.9614				0.1		0.0		0.5	
Rumen	S	1	99601	-		Negative	1	0.49	6	-0.34	9	0.15
Rumen	C	miR-12	-0.9398	-		Negative	0.0	4.25	0.2	-0.21	0.0	4.04

Rumen(Up)
Rumen(Speci
fic)

	S	71	44159				2	1	2				
	C	miR-14	-0.9309				0.0	0.3	0.0				
Rumen	S	6b	24203	-	-	Negative	6	-0.53	3	-0.32	4	-0.85	
	C	miR-14	-0.9116				0.2	0.0	0.9				
Rumen	S	8b	80821	-	-	Negative	0	0.22	1	-0.23	4	-0.01	
	C	miR-30	-0.8616				0.5	0.1	0.6				
Rumen	S	b-3p	71238	-	-	Negative	7	0.26	9	-0.42	6	-0.15	
	C	miR-22	-0.8466				0.0	0.0	0.1				
Rumen	S	85k	37693	-	-	Negative	2	1.30	4	-0.71	7	0.59	
	C	miR-22	-0.8283				0.0	0.0	0.8				
Rumen	S	85f	70327	-	-	Negative	1	0.48	0	-0.44	0	0.04	
	R	miR-36			0.813394		0.4	0.6	0.7				
Rumen	S	9-5p	-	-	167	Positive	1	-0.63	3	0.33	0	-0.30	
	R	miR-22			0.816177		0.0	0.8	0.0			Rumen(Speci	
Rumen	S	99-3p	-	-	357	Positive	9	-0.83	4	0.00	6	-0.83	fic)
	R	miR-50			0.833421		0.0	0.6	0.2				
Rumen	S	4	-	-	003	Positive	1	-0.68	7	0.12	0	-0.56	
	R	miR-30			0.836946		0.5	0.1	0.6				
Rumen	S	b-3p	-	-	142	Positive	7	0.26	9	-0.42	6	-0.15	
	R	miR-21			0.838352		0.2	0.0	0.0				
Rumen	S	1	-	-	434	Positive	6	0.83	3	-2.15	9	-1.31	
	R	miR-24			0.846324		0.7	0.5	0.4				
Rumen	S	74	-	-	225	Positive	5	-0.07	0	-0.43	0	-0.51	
	R	miR-14			0.945421		0.0	0.0	0.3				
Rumen	S	68	-	-	919	Positive	5	0.66	7	-0.38	5	0.27	
	R	miR-24		0.810343			0.6	0.0	0.2			Rumen(Dow	
Rumen	S	19-5p	-	213	-	Positive	0	0.23	9	-0.62	6	-0.39	n)
Rumen	R	miR-36	0.96587	0.842919	-	Positive	0.2	0.34	0.2	-0.16	0.4	0.18	

	S	1	9926	341		0	1	9					
	R	miR-50		0.856407		0.3	0.1	0.9					
Rumen	S	2a	-	014	-	Positive	2	-0.51	9	0.58	5	0.07	
	R	miR-32		0.878410			0.0	0.7		0.0			
Rumen	S	8	-	199	-	Positive	4	0.46	2	-0.06	8	0.40	
	R	miR-10	0.81986	0.938065			0.6	0.0		0.7			
Rumen	S	1	3872	246	-	Positive	3	-0.16	1	0.30	0	0.14	
	R	miR-32	0.87392				0.0	0.4		0.3			
Rumen	S	4	4823	-	-	Positive	7	-0.41	1	0.19	9	-0.22	
	R	miR-18	0.87822				0.0	0.2		0.1			
Rumen	S	5	9456	-	-	Positive	3	0.77	6	-0.29	5	0.47	
	R	miR-15	0.89868				0.0	0.2		0.0			
Rumen	S	3	572	-	-	Positive	2	1.58	0	-0.42	5	1.17	
	R	miR-30	0.92720				0.8	0.3		0.7			
Rumen	S	f	6075	-	-	Positive	8	0.04	6	-0.12	7	-0.07	
	R	miR-24			-0.942249		0.1	0.3		0.4			
Rumen	S	31-5p	-	-	645	Negative	5	-0.58	8	0.26	4	-0.32	
	R	miR-22			-0.939555		0.0	0.6		0.0			
Rumen	S	85p	-	-	912	Negative	2	0.80	6	-0.12	7	0.68	
	R	miR-70			-0.881009		0.6	0.7		0.4			
Rumen	S	8	-	-	526	Negative	3	0.17	1	0.12	6	0.29	Rumen(Up)
	R	miR-42			-0.871909		0.1	0.0		0.2			
Rumen	S	5-3p	-	-	428	Negative	2	0.80	3	-0.29	6	0.51	
	R	miR-19			-0.870687		0.7	0.6		0.9			
Rumen	S	b	-	-	341	Negative	7	-0.12	1	0.13	8	0.01	
	R	miR-34			-0.851278		0.6	0.3		0.8			
Rumen	S	31	-	-	91	Negative	1	-0.13	2	0.09	8	-0.04	Rumen(Up)
Rumen	R	miR-18	-	-	-0.847735	Negative	0.1	1.06	0.1	-0.21	0.2	0.85	

	S	3			496		4	3	0				
	R	miR-22			-0.847059		0.8	0.6	0.7				
Rumen	S	84n	-	-	822	Negative	8	-0.13	7	0.28	8	0.14	
	R	miR-23			-0.846559		0.8	0.8	0.9				
Rumen	S	32	-	-	414	Negative	5	0.20	0	-0.23	9	-0.02	
	R	miR-18			-0.837302		0.7	0.7	0.9				
Rumen	S	1c	-	-	202	Negative	8	-0.05	5	0.04	6	-0.01	
	R	miR-14			-0.836072		0.2	0.0	0.9				
Rumen	S	8b	-	-	775	Negative	0	0.22	1	-0.23	4	-0.01	
	R	miR-20			-0.811624		0.1	0.6	0.3				
Rumen	S	5	-	-	777	Negative	5	0.29	3	-0.09	5	0.20	
	R	miR-65			-0.907990		0.3	0.9	0.4				
Rumen	S	24	-		21	Negative	8	-0.15	9	0.00	1	-0.16	
	R	miR-14			-0.858744		0.5	0.4	0.9				
Rumen	S	9-5p	-		213	Negative	0	-0.20	0	0.22	3	0.02	Rumen(Up)
	R	miR-18			-0.847369		0.3	0.8	0.5				
Rumen	S	b	-		955	Negative	9	0.62	4	-0.09	1	0.52	
	R	miR-21			-0.846933		0.0	0.7	0.0				
Rumen	S	-3p	-		456	Negative	3	-0.75	7	-0.06	1	-0.81	Rumen(Up)
	R	miR-15			-0.839930		0.0	0.0	0.0				
Rumen	S	5	-		009	Negative	1	-1.01	9	0.26	4	-0.75	
	R	miR-14			-0.836764		0.0	0.0	0.0				
Rumen	S	2-3p	-		737	Negative	2	-0.71	4	0.19	7	-0.52	
	R				-0.835139		0.3	0.8	0.4				
Rumen	S	miR-25	-		285	Negative	3	-0.08	8	-0.02	5	-0.10	
	R	miR-22			-0.827572		0.6	0.3	0.5				
Rumen	S	84aa	-		6	Negative	4	-0.09	5	0.19	3	0.10	
Rumen	R	miR-14	-		-0.813965	Negative	0.0	-0.53	0.3	-0.32	0.0	-0.85	

	S	6b			151			6		3		4		
	R	miR-14	-0.8448					0.4		0.8		0.4	Rumen(Speci	
Rumen	S	34-3p	56017	-	-	Negative		0	-0.45	5	0.10	3	-0.35	fic)
	R	miR-10	-0.8269					0.0		0.1		0.0		
Rumen	S	3	27141	-	-	Negative		0	-0.49	3	0.13	3	-0.36	
								0.5				0.8		
Duoden	A	miR-24				0.810982		89	-0.241008	0.5	0.241008	88		
um	L	43	-	-		665	Positive	7	1	15	1	5	0	
								0.1		0.7		0.1		
Duoden	A	miR-23				0.812296		02	0.209836	12	-0.052327	60	0.157509	
um	L	b-3p	-	-		138	Positive	5	795	6	543	2	251	
								0.9				0.3		
Duoden	A	miR-19				0.812982		35	0.069041	0.3	0.833221	14	0.902263	
um	L	0a	-	-		074	Positive	6	644	09	554	5	198	
								0.6				0.0		
Duoden	A	miR-34				0.813453		33	0.074989	0.1	-0.233397	99	-0.158408	
um	L	2	-	-		674	Positive	1	375	28	794	7	419	
										0.2				
Duoden	A	miR-21				0.814748		0.6	0.106915	20	-0.621488	0.3	-0.514573	
um	L	9-5p	-	-		819	Positive	84	204	5	377	11	173	
								0.5		0.1		0.3		
Duoden	A	miR-36				0.814758		81	-0.094068	92	0.291105	91	0.197036	
um	L	5-3p	-	-		008	Positive	4	324	5	171	1	847	
								0.3		0.0		0.3		
Duoden	A	miR-22				0.816938		51	-0.153320	34	0.330241	12	0.176920	
um	L	-3p	-	-		566	Positive	5	778	8	345	2	568	
Duoden	A	miR-88				0.822157		0.2	-0.415037	0.7	0.125530	0.4	-0.289506	
um	L	5	-	-		502	Positive	89	499	11	882	93	617	

						7		8			
						0.9		0.6		0.7	
Duoden	A	miR-36			0.822518	15	0.020037	85	-0.068947	08	-0.048909
um	L	13	-	-	26	5	753	9	354	3	6
								0.3		0.5	
Duoden	A	miR-37			0.822822	0.1	0.160663	28	-0.107903	38	0.052759
um	L	4b	-	-	9	78	432	8	998	8	434
						0.5		0.4		0.9	
Duoden	A	miR-61			0.823510	68	-0.116644	89	0.101538	52	-0.015106
um	L	19-3p	-	-	652	5	919	9	026	4	892
						0.1		0.2		0.7	
Duoden	A	miR-29			0.825596	65	-0.349334	08	0.272372	31	-0.076961
um	L	d	-	-	822	5	252	8	27	7	982
						0.4		0.2		0.6	
Duoden	A	miR-18			0.829384	84	-0.185555	04	0.303392	33	0.117836
um	L	8	-	-	432	8	653	8	143	8	49
						0.5		0.9		0.4	
Duoden	A	miR-32			0.830851	29	0.144389	57	0.012711	43	0.157100
um	L	4	-	-	898	9	909	3	052	5	961
						0.4		0.6		0.8	
Duoden	A	miR-15			0.833766	97	0.113765	96	-0.078838	32	0.034926
um	L	2	-	-	091	4	11	5	518	6	592
						0.2		0.6		0.8	
Duoden	A	miR-23			0.837978	00	-0.289506	42	0.211504	42	-0.078002
um	L	76	-	-	483	3	617	5	105	1	512
						0.9		0.6		0.5	
Duoden	A	miR-21			0.840868	72	0.006614	61	0.084647	62	0.091262
um	L	4	-	-	146	6	844	7	826	3	67

						0.6			0.1		
Duoden	A	miR-34			0.843690	34	-0.095280	0.2	0.307089	66	0.211809
um	L	32	-	-	338	5	503	12	586	9	082
								0.0		0.0	
Duoden	A	let-7a-			0.845262	0.5	-0.100447	28	0.340437	93	0.239990
um	L	5p	-	-	454	47	265	8	417	2	152
								0.8		0.6	0.7
Duoden	A	miR-29			0.845272	78		26	0.125530	72	0.125530
um	L	03	-	-	175	5	0	9	882	9	882
								0.0		0.0	
Duoden	A	miR-92			0.847287	79	-0.264781	01	0.427462	0.2	0.162680
um	L	a	-	-	831	6	707	2	509	38	802
								0.1		0.5	0.3
Duoden	A	miR-15			0.850055	24	-0.245350	37	0.103744	42	-0.141606
um	L	a	-	-	995	6	515	1	167	6	348
								0.2		0.0	0.7
Duoden	A	miR-20			0.850683	80	0.229560	78	-0.286829	84	-0.057268
um	L	0c	-	-	517	2	939	1	281	5	342
								0.5		0.3	0.8
Duoden	A	let-7a-			0.852091	92	-0.091895	90	0.133462	18	0.041566
um	L	3p	-	-	371	2	866	8	359	8	493
								0.3		0.8	0.3
Duoden	A	miR-15			0.852273	52	-0.307011	15	-0.114130	97	-0.421141
um	L	0	-	-	189	9	582	9	399	4	981
								0.9		0.7	
Duoden	A	miR-15			0.854291	0.7	-0.087462	35	-0.082462	88	-0.169925
um	L	4b	-	-	492	9	841	2	16	1	001
Duoden	A	miR-36	-	-	0.857537	0.7	-0.039892	0.9	-0.013056	0.6	-0.052948

um	L	2-3p			303		48	727	30	153	77	88
							4		6		6	
							0.6		0.5			
Duoden	A	miR-45			0.862009		51	-0.078297	27	0.104735	0.8	0.026437
um	L	5-3p	-	-	356	Positive	7	934	7	494	43	56
							0.8		0.0		0.0	
Duoden	A				0.864873		31	-0.036536	81	0.303729	73	0.267192
um	L	let-7b	-	-	631	Positive	9	155	6	076	7	921
							0.9		0.2		0.2	
Duoden	A				0.865617		96	0.000509	18	0.141408	35	0.141918
um	L	let-7g	-	-	627	Positive	9	172	2	898	6	07
							0.6				0.5	
Duoden	A	miR-10			0.866894		27	0.072491	0.1	-0.162659	44	-0.090167
um	L	6b	-	-	296	Positive	5	871	67	362	3	491
							0.2		0.4		0.8	
Duoden	A	miR-27			0.868068		72	-0.136131	07	0.114846	37	-0.021285
um	L	a-3p	-	-	927	Positive	8	483	4	232	8	251
											0.9	
Duoden	A				0.871626		0.7	-0.034309	0.7	0.024441	23	-0.009867
um	L	miR-93	-	-	533	Positive	12	144	26	238	6	906
							0.3		0.9		0.3	
Duoden	A	miR-17			0.873529		43	-0.135959	96		57	-0.135959
um	L	-3p	-	-	074	Positive	6	709	5	0	2	709
									0.2		0.1	
Duoden	A	miR-15			0.874984		0.9	0.034194	81	-0.377282	29	-0.343087
um	L	3	-	-	947	Positive	17	92	3	577	7	657
Duoden	A	miR-22			0.878602		0.3	0.169925	0.3	-0.321928	0.6	-0.152003
um	L	84t-3p	-	-	664	Positive	85	001	45	095	38	093

							5	8	6			
							0.0	0.2	0.4			
Duoden	A	miR-65			0.882800		71	0.337034	28	-0.211504	18	0.125530
um	L	23	-	-	251	Positive	7	987	1	105	7	882
							0.1	0.8			0.1	
Duoden	A	miR-54			0.885762		65	-0.374395	54	0.041820	74	-0.332575
um	L	2-5p	-	-	694	Positive	1	515	2	176	8	339
							0.6	0.6			0.9	
Duoden	A	miR-18			0.887670		80	-0.036530	36	0.042357	38	0.005827
um	L	6	-	-	904	Positive	8	37	7	565	7	195
							0.9	0.2			0.2	
Duoden	A	miR-41			0.887872		75	-0.004274	44	0.225953	04	0.221679
um	L	0	-	-	33	Positive	5	655	1	754	5	099
									0.0		0.2	
Duoden	A	miR-87			0.891740		0.1	-0.464403	11	0.790904	36	0.326500
um	L	7	-	-	562	Positive	48	577	7	401	6	825
							0.1		0.4		0.4	
Duoden	A	miR-30			0.892497		37	-0.175530	50	0.078948	14	-0.096581
um	L	c	-	-	828	Positive	4	175	8	273	7	902
							0.8		0.3		0.4	
Duoden	A	miR-30			0.893313		19	-0.039946	00	0.150182	35	0.110236
um	L	b-5p	-	-	505	Positive	6	286	8	457	3	171
							0.0		0.0		0.9	
Duoden	A	miR-32			0.893999		40	-0.669354	36	0.669354	76	
um	L	8	-	-	514	Positive	1	688	3	688	6	0
							0.3		0.5		0.6	
Duoden	A	miR-22			0.900193		81	0.117335	39	-0.053860	70	0.063474
um	L	1	-	-	569	Positive	9	281	1	648	8	633

Duoden	A	miR-20			0.902021		0.7		0.6		0.4	
um	L	0b	-	-	907	Positive	43	-0.046606	13	-0.075454	10	-0.122060
							5	768	8	01	5	778
Duoden	A	miR-12			0.904171		0.1		0.2		0.3	
um	L	96	-	-	252	Positive	06	-0.432959	27	0.231325	88	-0.201633
							8	407	6	546	3	861
Duoden	A	miR-50			0.905423		0.7		0.4		0.7	
um	L	5	-	-	573	Positive	76	-0.055087	46	0.116863	23	0.061776
							7	56	3	758	4	198
Duoden	A	miR-30			0.906172				0.4		0.7	
um	L	b-3p	-	-	43	Positive	0.5	-0.222392	78	0.347923	19	0.125530
							71	421	3	303	9	882
Duoden	A	miR-19			0.906311		0.9		0.4		0.3	
um	L	3a-5p	-	-	928	Positive	71		15	0.236067	12	0.236067
							8	0	7	358	4	358
Duoden	A	miR-13			0.909205		0.3		0.3		0.8	
um	L	06	-	-	63	Positive	59	-0.325400	28	0.257496	05	-0.067904
							7	287	7	222	2	065
Duoden	A	miR-34			0.912161		0.0		0.0		0.8	
um	L	a	-	-	491	Positive	08	0.329722	76	-0.351936	85	-0.022214
							5	252	6	986	9	734
Duoden	A	miR-57			0.913736		0.7				0.6	
um	L	4	-	-	896	Positive	23	-0.082819	0.2	0.174107	95	0.091287
							2	528	45	28	3	752
Duoden	A	miR-21			0.915042		0.2		0.0		0.8	
um	L	0	-	-	284	Positive	35	-0.224462	92	0.276124	12	0.051662
							7	285	9	405	1	12
Duoden	A	miR-44	-	-	0.916034	Positive	0.8	0.061400	0.6	0.131244	0.4	0.192645

um	L	9a			326		90	545	39	533	03	078
							5		8		9	
							0.1		0.0		0.6	
Duoden	A	miR-42			0.918202		65	-0.460751	67	0.592585	16	0.131834
um	L	3-3p	-	-	096	Positive	2	098	9	536	9	439
							0.9		0.2		0.2	
Duoden	A	miR-65			0.920092		60	-0.008752	97	0.172836	19	0.164084
um	L	2	-	-	86	Positive	2	474	1	597	9	123
							0.0		0.0		0.6	
Duoden	A	miR-42			0.922849		34	-0.399520	61	0.297556	02	-0.101964
um	L	3-5p	-	-	551	Positive	1	581	7	22	4	361
							0.1		0.2		0.4	
Duoden	A	miR-33			0.924549		10	-0.292747	07	0.193548	85	-0.099198
um	L	9a	-	-	264	Positive	6	393	2	444	5	949
									0.1		0.7	
Duoden	A	miR-49			0.926215		0.1	-0.372564	68	0.416247	77	0.043683
um	L	7	-	-	204	Positive	89	401	3	734	2	333
							0.1		0.2		0.5	
Duoden	A	miR-22			0.930944		39	-0.248947	84	0.131019	44	-0.117928
um	L	2	-	-	539	Positive	7	47	7	018	8	451
							0.2		0.1		0.4	
Duoden	A	miR-76			0.936235		39	-0.145157	05	0.224823	87	0.079666
um	L	9	-	-	135	Positive	9	096	7	248	8	151
							0.5		0.9		0.3	
Duoden	A	miR-23			0.940364		73	-0.072346	21	-0.013874	22	-0.086221
um	L	a	-	-	759	Positive	8	78	6	897	4	677
Duoden	A	miR-12			0.940664		0.2	-0.493332	0.0	0.596836	0.7	0.103504
um	L	49	-	-	233	Positive	03	025	74	601	11	576

						6		8		4	
						0.0		0.0		0.6	
Duoden	A	miR-13			0.941824	51	-0.449856	06	0.545968	70	0.096111
um	L	07	-	-	408	9	477	2	369	1	893
						0.2		0.4		0.5	
Duoden	A	miR-29			0.941957	50	0.152549	64	-0.094019	62	0.058529
um	L	b	-	-	783	3	465	7	909	3	556
						0.1		0.0		0.8	
Duoden	A	miR-33			0.942487	17	-0.272569	90	0.254317	78	-0.018252
um	L	9b	-	-	774	7	768	7	189	9	579
								0.0		0.0	
Duoden	A	miR-34			0.950959	0.7	0.046626	25	0.265142	54	0.311768
um	L	5-3p	-	-	897	27	16	7	069	1	229
								0.0		0.8	
Duoden	A	miR-19			0.952199	0.0	-0.304233	91	0.281856	74	-0.022376
um	L	9b	-	-	411	35	097	6	556	7	541
								0.0		0.1	
Duoden	A	miR-14			0.955298	0.3	-0.174833	13	0.436099	86	0.261265
um	L	9-5p	-	-	435	49	802	7	115	5	313
						0.9		0.7			
Duoden	A				0.959253	61	0.008460	48	0.046508	0.7	0.054968
um	L	let-7d	-	-	788	3	075	4	866	17	941
						0.0		0.1			
Duoden	A	miR-65			0.962390	83	0.536052	99	-0.536052	0.9	
um	L	4	-	-	23	1	9	7	9	51	0
								0.0		0.7	
Duoden	A	miR-32			0.970013	0.1	-0.290571	83	0.342186	46	0.051615
um	L	0a	-	-	577	1	415	3	934	7	518

Duoden	A	miR-15			0.971892		0.7		0.9		0.7	
um	L	b	-	-	256	Positive	93	0.052578	45	0.010124	49	0.062702
							6	281	1	217	9	499
									0.0			
Duoden	A	miR-33			0.973661		0.1	-0.385834	65	0.413633	0.8	0.027798
um	L	1	-	-	571	Positive	36	964	9	416	73	452
							0.3		0.3			
Duoden	A	miR-12			0.975771		01	-0.193413	26	0.200603	0.9	0.007190
um	L	8	-	-	081	Positive	9	354	3	733	75	378
							0.2		0.4		0.8	
Duoden	A	miR-25	-	-	0.978838	Positive	91	-0.081355	57	0.065326	85	-0.016028
um	L				568		9	299	1	725	3	574
							0.4		0.8		0.4	
Duoden	A	miR-67			0.979122		98	0.222392	75	0.026967	38	0.249359
um	L	1	-	-	836	Positive	1	421	9	048	5	469
							0.7		0.5		0.7	
Duoden	A	miR-26			0.986191		37	-0.036859	34	0.063125	09	0.026266
um	L	b	-	-	707	Positive	2	449	4	451	3	001
							0.3		0.1		0.8	
Duoden	A	miR-76			0.988567		61	-0.351472	80	0.402098	89	0.050626
um	L	0-3p	-	-	746	Positive	8	371	1	444	8	073
							0.2		0.6		0.3	
Duoden	A	miR-48			0.990642		32	-0.272969	01	0.110728	86	-0.162241
um	L	4	-	-	616	Positive	2	959	4	477	3	482
							0.0		0.1		0.8	
Duoden	A	miR-23	0.87279	0.842397			09	-0.261570	24	0.238347	82	-0.023222
um	L	36	6746	165	-	Positive	8	484	7	527	3	957
Duoden	A	miR-22	0.90800	0.844005	-	Positive	0.0	1	0.0	-0.652076	0.3	0.347923

um	L	85l	7997	417			56	76	697	93	303	
							2	2		6		
							0.1	0.7		0.1		
Duoden	A	miR-24	0.97524	0.873785			79	-0.700439	61	-0.206450	39	-0.906890
um	L	83-5p	8074	105	-	Positive	1	718	6	877	5	596
							0.5			0.9		
Duoden	A	miR-37		0.908119			94	0.209718	0.5	-0.243271	34	-0.033552
um	L	9	-	303	-	Positive	6	591	54	151	7	56
							0.2		0.3		0.6	
Duoden	A		0.81262				34	0.354108	92	-0.255784	93	0.098323
um	L	miR-7	237	-	-	Positive	1	501	9	667	7	834
							0.5		0.1		0.4	
Duoden	A	miR-22	0.81366				37	-0.321928	54	0.862496	31	0.540568
um	L	85i	7379	-	-	Positive	3	095	4	476	2	381
							0.7		0.9		0.8	
Duoden	A	miR-48	0.84237				86	-0.070389	37	0.027744	87	-0.042644
um	L	7b	1752	-	-	Positive	2	328	2	99	5	337
							0.0		0.3		0.8	
Duoden	A	miR-12	0.89126				92	0.259895	53	-0.306476	67	-0.046580
um	L	7	4436	-	-	Positive	3	862	9	467	6	605
							0.4		0.8		0.7	
Duoden	A	miR-65	0.93357				40	0.175086	15	-0.090197	65	0.084888
um	L	5	9115	-	-	Positive	9	707	2	809	9	898
							0.1		0.2		0.9	
Duoden	A	miR-48			-0.969074		26	-0.265358	53	0.279840	40	0.014481
um	L	6	-	-	577	Negative	5	975	7	352	3	377
Duoden	A	miR-10			-0.906889		0.2	-0.395545	0.1	0.521094	0.4	0.125549
um	L	0	-	-	981	Negative	30	483	48	892	85	409

							9	5	1			
							0.5		0.8			
Duoden	A	miR-10			-0.884770		21	0.121049	0.7	-0.092438	95	0.028611
um	L	b	-	-	039	Negative	6	776	21	719	8	057
							0.8		0.6		0.6	
Duoden	A	miR-12			-0.875522		98	-0.079226	88	0.278535	60	0.199308
um	L	4a	-	-	747	Negative	5	691	4	499	2	808
							0.8		0.6		0.6	
Duoden	A	miR-12			-0.875522		98	-0.079226	88	0.278535	60	0.199308
um	L	4b	-	-	747	Negative	5	691	4	499	2	808
							0.6		0.1		0.1	
Duoden	A	miR-21			-0.825008		03	0.224443	41	-0.578122	42	-0.353679
um	L	5	-	-	21	Negative	8	388	7	883	4	495
							0.9		0.1		0.1	
Duoden	A	miR-61	-0.9375	-0.889658			58		71	0.205318	58	0.205318
um	L	23	06875	443	-	Negative	2	0	5	908	9	908
							0.6		0.2		0.0	
Duoden	A	miR-14		-0.848890			56	0.083000	74	0.228624	80	0.311624
um	L	5	-	303	-	Negative	9	234	8	375	2	609
							0.4		0.4		0.7	
Duoden	A	miR-13	-0.8844				57	0.145850	30	-0.226770	35	-0.080919
um	L	3b	15424	-	-	Negative	4	866	7	862	8	995
							0.0		0.3		0.3	
Duoden	A	miR-19	-0.8842				74	-0.359620	35	0.194417	25	-0.165202
um	L	3b	57079	-	-	Negative	5	385	8	794	7	591
							0.3		0.5		0.9	
Duoden	A	miR-22	-0.8511				31	0.415037	01	-0.415037	14	
um	L	85r	34433	-	-	Negative	5	499	3	499	4	0

							0.0		0.0		0.8	
Duoden	C	miR-22			0.833202		58	-0.240532	69	0.263383	41	0.022850
um	S	84z	-	-	808	Positive	7	407	7	346	2	939
							0.1		0.5		0.0	
Duoden	C	miR-13			0.861116		40	0.299560	14	0.115477	21	0.415037
um	S	7	-	-	436	Positive	7	282	4	217	3	499
							0.4		0.8		0.4	
Duoden	C	miR-67			0.826849		98	0.222392	75	0.026967	38	0.249359
um	S	1	-		13	Positive	1	421	9	048	5	469
									0.8		0.9	
Duoden	C	miR-41			0.834807		0.7	0.054861	47	-0.076235	72	-0.021373
um	S	1c-5p	-		92	Positive	48	935	8	586	9	651
							0.9		0.5		0.4	
Duoden	C	miR-14	0.83794		0.851740		56	0.006586	15	0.096266	26	0.102853
um	S	8a	5408		198	Positive	9	365	3	95	2	314
							0.4				0.4	
Duoden	C	miR-19			0.876737		69	-0.195324	0.1	0.384143	11	0.188819
um	S	3a-3p	-		291	Positive	8	178	04	491	6	313
							0.8		0.1		0.1	
Duoden	C	miR-65			0.892277		01	0.054447	23	0.308122	65	0.362570
um	S	20	-		348	Positive	1	784	2	295	1	079
							0.2		0.4		0.5	
Duoden	C	miR-29	0.81180				50	0.152549	64	-0.094019	62	0.058529
um	S	b	5006	-	-	Positive	3	465	7	909	3	556
							0.9				0.3	
Duoden	C	miR-19	0.81665				35	0.069041	0.3	0.833221	14	0.902263
um	S	0a	9325	-	-	Positive	6	644	09	554	5	198
Duoden	C	miR-1	0.81773	-	-	Positive	0.5	0.153805	0.7	0.083523	0.2	0.237328

um	S		172				77	336	84	356	67	692
							7		8		9	
							0.4		0.6		0.8	
Duoden	C	miR-15	0.83336				97	0.113765	96	-0.078838	32	0.034926
um	S	2	0605	-	-	Positive	4	11	5	518	6	592
							0.6		0.2		0.0	
Duoden	C	miR-14	0.83890				56	0.083000	74	0.228624	80	0.311624
um	S	5	6519	-	-	Positive	9	234	8	375	2	609
							0.2		0.1		0.6	
Duoden	C	miR-22	0.85520				05	-0.289506	06	0.459431	93	0.169925
um	S	84p	8764	-	-	Positive	6	617	6	619	6	001
									0.2		0.1	
Duoden	C	miR-15	0.85938				0.9	0.034194	81	-0.377282	29	-0.343087
um	S	3	025	-	-	Positive	17	92	3	577	7	657
									0.9		0.0	
Duoden	C	miR-37	0.86231				0.0	0.684498	14	-0.050626	92	0.633872
um	S	6e	2232	-	-	Positive	51	174	3	073	2	101
							0.2		0.1		0.5	
Duoden	C	miR-24	0.86674				50	0.248705	62	-0.334425	95	-0.085720
um	S	-3p	6827	-	-	Positive	8	763	8	931	6	169
							0.7		0.6		0.4	
Duoden	C	miR-20	0.90399				43	-0.046606	13	-0.075454	10	-0.122060
um	S	0b	6346	-	-	Positive	5	768	8	01	5	778
							0.2		0.2		0.8	
Duoden	C	miR-49	0.90578				69	-0.440821	73	0.476741	72	0.035919
um	S	0	0931	-	-	Positive	6	525	4	099	9	574
Duoden	C	miR-14	0.91054				0.8	-0.036519	0.0	0.310216	0.0	0.273696
um	S	3	2659	-	-	Positive	08	735	47	62	70	885

Duoden	C	miR-34			-0.841914		0.5		0.9		0.6	
um	S	b	-	-	253	Negative	69	-0.321928	22	-0.056583	12	-0.378511
							4	095	8	528	7	623
Duoden	C	miR-18			-0.837885		0.0		0.1			
um	S	4	-	-	162	Negative	05	0.749593	24	-0.730610	0.9	0.018983
							7	202	8	099	57	103
Duoden	C	miR-13			-0.831343		0.4				0.7	
um	S	2	-	-	372	Negative	88	-0.162446	0.3	0.220114	80	0.057667
							7	822	59	251	8	429
Duoden	C	miR-20			-0.829433		0.2		0.0		0.7	
um	S	0c	-	-	597	Negative	80	0.229560	78	-0.286829	84	-0.057268
							2	939	1	281	5	342
Duoden	C	miR-34			-0.827913		0.5				0.9	
um	S	5-5p	-	-	803	Negative	51	0.114770	0.4	-0.131644	41	-0.016873
							7	187	73	006	6	819
Duoden	C	miR-40			-0.820838		0.1				0.8	
um	S	9a	-	-	419	Negative	72	-0.425305	0.3	0.384663	90	-0.040641
							1	835	23	85	1	984
Duoden	C	miR-24			-0.891608		0.1		0.7		0.1	
um	S	83-5p	-		363	Negative	79	-0.700439	61	-0.206450	39	-0.906890
							1	718	6	877	5	596
Duoden	C	miR-21			-0.887073		0.2		0.0		0.8	
um	S	0	-		25	Negative	35	-0.224462	92	0.276124	12	0.051662
							7	285	9	405	1	12
Duoden	C	miR-22			-0.838889		0.3		0.5		0.6	
um	S	1	-		906	Negative	81	0.117335	39	-0.053860	70	0.063474
							9	281	1	648	8	633
Duoden	C	miR-61			-0.838217		0.9		0.1	0.205318	0.1	0.205318
							0.9	0	0.1	0.205318	0.1	0.205318

um	S	23		653			58	71	908	58	908	
							2	5		9		
							0.1	0.2		0.6		
Duoden	C	miR-65		-0.830738			81	-0.204254	79	0.139886	51	-0.064368
um	S	29	-	17	-	Negative	8	994	1	175	5	819
							0.3			0.5		
Duoden	C	miR-45		-0.827241			84	0.118836	0.7	-0.035979	27	0.082856
um	S	4	-	102	-	Negative	6	23	5	297	7	932
							0.1			0.4		
Duoden	C	miR-22	-0.9778				82	0.130724	0.1	-0.246108	72	-0.115383
um	S	85f	3975	-	-	Negative	9	612	89	49	3	878
							0.4		0.0	0.0		
Duoden	C	miR-19	-0.9765				77	0.091989	33	-0.256006	91	-0.164016
um	S	1	08932	-	-	Negative	9	376	6	149	6	773
							0.2		0.0			
Duoden	C	miR-22	-0.9757				50	0.157322	60	-0.426412	0.1	-0.269089
um	S	85k	61705	-	-	Negative	2	491	4	289	8	798
							0.0		0.1	0.4		
Duoden	C	miR-36	-0.9518				06	0.401862	16	-0.644905	80	-0.243042
um	S	3	16349	-	-	Negative	2	111	1	041	9	931
							0.6		0.3			
Duoden	C	miR-14	-0.9426				93	0.058293	13	-0.255636	0.3	-0.197343
um	S	2-3p	45581	-	-	Negative	2	41	3	814	59	404
									0.2			
Duoden	C	miR-21	-0.9420				0.6	0.106915	20	-0.621488	0.3	-0.514573
um	S	9-5p	56003	-	-	Negative	84	204	5	377	11	173
Duoden	C	miR-18	-0.9358				0.2	-0.248467	0.1	0.323297	0.6	0.074829
um	S	1b	75534	-	-	Negative	19	977	51	662	53	685

							6		7			
Duoden	C	miR-37	-0.9126				0.1	-0.270010	95	0.176296	83	-0.093714
um	S	8b	14161	-	-	Negative	14	442	9	007	3	435
							0.1		0.2		0.7	
Duoden	C	miR-20	-0.9111				18	0.500428	90	-0.642447	84	-0.142019
um	S	b	2175	-	-	Negative	5	991	1	995	8	005
							0.0		0.3		0.2	
Duoden	C	miR-15	-0.9093				90	-0.167530	81	-0.369030	32	-0.536560
um	S	5	95251	-	-	Negative	6	486	9	357	3	843
							0.2		0.2		0.8	
Duoden	C	miR-18	-0.9090				55	-0.218499	27	0.266045	02	0.047546
um	S	1a	45251	-	-	Negative	5	491	9	679	2	188
							0.3		0.2		0.6	
Duoden	C	miR-22	-0.9010				37	-0.119739	97	0.212848	62	0.093109
um	S	84w	73642	-	-	Negative	3	244	2	649	2	404
							0.2		0.3		0.9	
Duoden	C	miR-18	-0.8899				65	0.353636	49	-0.353636	59	
um	S	b	41692	-	-	Negative	1	955	7	955	7	0
							0.5		0.0		0.3	
Duoden	C		-0.8881				33	-0.089049	65	0.232968	46	0.143919
um	S	let-7i	78447	-	-	Negative	1	621	9	936	6	315
							0.5		0.3		0.4	
Duoden	C	miR-12	-0.8871				91	-0.391830	76	0.711202	04	0.319372
um	S	46	84852	-	-	Negative	4	108	1	498	1	39
							0.3		0.8		0.3	
Duoden	C	miR-15	-0.8654				52	-0.307011	15	-0.114130	97	-0.421141
um	S	0	59054	-	-	Negative	9	582	9	399	4	981

Duoden	C		-0.8579				0.2		0.4		0.8	
um	S	miR-25	62749	-	-	Negative	91	-0.081355	57	0.065326	85	-0.016028
							9	299	1	725	3	574
Duoden	C	miR-65	-0.8558				0.5		0.6			
um	S	22	53722	-	-	Negative	89	0.112474	46	-0.182864	0.8	-0.070389
							2	729	2	057	44	328
Duoden	C	miR-37	-0.8517				0.2		0.2		0.8	
um	S	8	81109	-	-	Negative	78	-0.170412	24	0.188122	51	0.017709
							2	607	5	561	6	954
Duoden	C		-0.8384				0.7		0.7	0.024441	23	-0.009867
um	S	miR-93	39447	-	-	Negative	12	-0.034309	26	238	6	906
							0.2		0.1		0.3	
Duoden	C	miR-14	-0.8197				67	-0.127758	48	0.179955	62	0.052197
um	S	0	26748	-	-	Negative	7	066	7	841	6	775
							0.7		0.5		0.8	
Duoden	C	miR-22	-0.8176				38	-0.117356	79	0.192645	82	0.075288
um	S	84v	39903	-	-	Negative	8	951	3	078	7	127
									0.3		0.4	
Duoden	C	miR-15	-0.8103				0.1		0.18	0.099895	45	-0.033861
um	S	1-3p	98263	-	-	Negative	84	-0.133756	1	011	4	767
							0.8		0.3		0.2	
Duoden	C	miR-33	-0.8100				53	-0.030879	74	-0.189530	78	-0.220409
um	S	8	93078	-	-	Negative	7	313	7	022	8	335
							0.8		0.7		0.6	
Duoden	R	miR-24			0.826636		87	-0.125530	97	-0.115477	95	-0.241008
um	S	19-3p	-	-	781	Positive	6	882	9	217	9	1
Duoden	R	miR-18	-	-	0.834685	Positive	0.6	0.118488	0.5	0.111581	0.3	0.230069

um	S	2			271			28	251	97	015	13	266
								7		7		5	
										0.0		0.1	
Duoden	R	miR-12			0.879591			0.6	-0.099535	34	0.584962	62	0.485426
um	S	24	-	-	001	Positive		98	674	4	501	6	827
								0.7		0.6		0.4	
Duoden	R	miR-20			0.910465			43	-0.046606	13	-0.075454	10	-0.122060
um	S	0b	-	-	118	Positive		5	768	8	01	5	778
								0.0		0.2		0.7	
Duoden	R	miR-12	0.81007					98	-0.284257	48	0.232164	54	-0.052092
um	S	5b	3861	-	-	Positive		6	121	2	885	4	236
								0.1		0.7		0.1	
Duoden	R	miR-24	0.81346					79	-0.700439	61	-0.206450	39	-0.906890
um	S	83-5p	4153	-	-	Positive		1	718	6	877	5	596
								0.0		0.1		0.6	
Duoden	R	miR-99	0.81884					89	-0.462081	53	0.397493	70	-0.064588
um	S	b	5542	-	-	Positive		7	738	1	363	4	375
								0.6		0.6		0.9	
Duoden	R	miR-18	0.82104					80	-0.036530	36	0.042357	38	0.005827
um	S	6	8788	-	-	Positive		8	37	7	565	7	195
								0.4		0.0		0.0	
Duoden	R	miR-19	0.83542					77	0.091989	33	-0.256006	91	-0.164016
um	S	1	0917	-	-	Positive		9	376	6	149	6	773
								0.3		0.2		0.7	
Duoden	R	miR-14	0.85053					02	0.109850	69	-0.153219	01	-0.043368
um	S	8b	7531	-	-	Positive		9	579	4	311	6	732
Duoden	R	miR-10	0.86335					0.2	-0.395545	0.1	0.521094	0.4	0.125549
um	S	0	2228	-	-	Positive		30	483	48	892	85	409

							9		5		1	
									0.3		0.4	
Duoden	R	miR-15	0.86705				0.1	-0.133756	18	0.099895	45	-0.033861
um	S	1-3p	0253	-	-	Positive	84	778	1	011	4	767
							0.8		0.3		0.3	
Duoden	R	miR-12	0.87042				62	-0.019365	32	0.228818	44	0.209453
um	S	9	1816	-	-	Positive	2	325	7	69	9	366
							0.8		0.3		0.3	
Duoden	R	miR-12	0.87042				62	-0.019365	32	0.228818	44	0.209453
um	S	9-5p	1816	-	-	Positive	2	325	7	69	9	366
							0.1		0.7			
Duoden	R	miR-19	0.89212				98	-0.280107	00	0.087462	0.3	-0.192645
um	S	0b	3522	-	-	Positive	7	919	6	841	64	078
							0.9		0.7		0.6	
Duoden	R	miR-12	0.89511				82	-0.003059	19	-0.091771	26	-0.094831
um	S	71	5563	-	-	Positive	1	8	6	54	8	34
							0.2		0.0		0.4	
Duoden	R	miR-14				-0.933694	71	-0.210268	95	0.328041	53	0.117772
um	S	68	-	-		88 Negative	4	543	7	219	1	675
							0.3		0.5		0.9	
Duoden	R	miR-22				-0.915681	31	0.415037	01	-0.415037	14	
um	S	85r	-	-		141 Negative	5	499	3	499	4	0
							0.2		0.4		0.8	
Duoden	R	miR-27				-0.914900	72	-0.136131	07	0.114846	37	-0.021285
um	S	a-3p	-	-		373 Negative	8	483	4	232	8	251
							0.5		0.6			
Duoden	R	miR-65				-0.911281	89	0.112474	46	-0.182864	0.8	-0.070389
um	S	22	-	-		805 Negative	2	729	2	057	44	328

um	S	6e			641		51	174	14	073	92	101
									3		2	
							0.4		0.4		0.9	
Duoden	R	miR-22	-0.8401				96	0.160464	25	-0.234465	69	-0.074000
um	S	85m	05085	-	-	Negative	2	672	7	254	2	581
							0.0		0.0		0.0	
	A	miR-30			0.814940		98	0.176934	00	0.559521	00	0.736456
Jejunum	L	a-5p	-	-	042	Positive	6	713	2	583	3	296
							0.2		0.4		0.8	
	A	miR-10			0.819364		57	0.554321	05	-0.434429	00	0.119892
Jejunum	L	b	-	-	879	Positive	9	342	9	127	4	216
									0.2		0.4	
	A	miR-24			0.825758		0.3	0.192645	37	-0.362570	72	-0.169925
Jejunum	L	43	-	-	95	Positive	85	078	2	079	1	001
							0.4		0.2			
	A				0.826365		19	0.164119	93	0.127111	0.1	0.291231
Jejunum	L	miR-24	-	-	661	Positive	5	38	8	918	37	298
							0.0		0.0		0.0	
	A	miR-34			0.834116		36	0.285908	11	0.267077	02	0.552986
Jejunum	L	2	-	-	902	Positive	6	872	4	202	6	074
							0.3		0.1		0.0	
	A	miR-24			0.851095		38	-0.412472	00	-0.544173	18	-0.956646
Jejunum	L	19-5p	-	-	501	Positive	1	707	3	819	2	526
							0.1		0.3		0.7	
	A	miR-15			0.855593		69	-0.143888	16	0.103988	14	-0.039900
Jejunum	L	b	-	-	41	Positive	1	927	7	844	8	083
							0.1	0.257792	0.1	0.425829	0.0	0.683622
Jejunum	L	7	-	-	091	Positive	81	931	48	284	27	215

						6		3				
						0.0		0.9		0.0		
	A	miR-21			0.875307	36	0.359867	97	0.001105	69	0.360972	
Jejunum	L	4	-	-	874	Positive	4	252	1	09	5	342
							0.4		0.1		0.0	
	A	miR-24			0.897181		94	-0.736965	29	-0.847996	12	-1.584962
Jejunum	L	19-3p	-	-	156	Positive	3	594	4	907	5	501
							0.0				0.2	
	A	miR-13			0.903161		12	0.286761	0.0	-0.475137	54	-0.188375
Jejunum	L	2	-	-	54	Positive	2	781	21	264	1	483
							0.4		0.7		0.7	
	A	miR-43			0.919000		78	0.225559	14	-0.127379	84	0.098180
Jejunum	L	2	-	-	253	Positive	9	7	5	306	3	394
							0.1		0.0		0.6	
	A	miR-19			0.922881		57	0.265382	19	-0.337817	89	-0.072435
Jejunum	L	3b	-	-	436	Positive	1	161	3	997	2	836
							0.5		0.0		0.0	
	A	miR-19			0.939297		32	0.127157	03	0.495880	19	0.623038
Jejunum	L	5	-	-	438	Positive	6	494	5	801	7	295
							0.7		0.4		0.4	
	A	miR-15			0.992885		27	-0.180572	16	0.280107	73	0.099535
Jejunum	L	4b	-	-	856	Positive	8	246	2	919	7	674
							0.4		0.4		0.9	
	A	miR-13	0.86240				64	-0.126276	98	0.142019	22	0.015742
Jejunum	L	8	5491	-	-	Positive	4	268	5	005	3	737
									0.0		0.1	
	A	miR-22	0.87524				0.8	-0.137503	48	1.652076	30	1.514573
Jejunum	L	85i	1435	-	-	Positive	09	524	3	697	8	173

							0.7				0.0	
	A	miR-24	0.90378				73	0.094636	0.0	-0.878908	60	-0.784271
Jejunum	L	87	0286	-	-	Positive	4	874	37	183	1	309
									0.0		0.1	
	A	miR-28	0.96443				0.9	0.038135	76	-0.954196	01	-0.916061
Jejunum	L	87	156	-	-	Positive	3	129	5	31	9	182
							0.9		0.1		0.1	
	A	miR-29	0.93644				06	-0.044854	04	-0.760329	08	-0.805183
Jejunum	L	04	5689	-	-	Positive	5	236	3	587	5	823
							0.0		0.2		0.6	
	A	miR-48		0.895804			00	0.933389	17	-0.724708	35	0.208681
Jejunum	L	6	-	433	-	Positive	7	437	9	128	6	309
									0.5		0.1	
	A	miR-12			-0.985296		0.5	0.160464	63	0.180572	24	0.341036
Jejunum	L	77	-	-	668	Negative	01	672	6	246	5	918
							0.0		0.5		0.0	
	A	miR-42			-0.956302		92	-0.600392	99	-0.173331	50	-0.773724
Jejunum	L	4-3p	-	-	528	Negative	6	541	7	603	5	144
							0.0		0.1		0.4	
	A				-0.909086		24	-0.437645	05	0.826495	95	0.388849
Jejunum	L	miR-31	-	-	226	Negative	2	914	4	602	7	687
							0.5		0.0		0.0	
	A	miR-37			-0.908469		21	-0.115605	57	-0.397559	25	-0.513165
Jejunum	L	5	-	-	651	Negative	7	976	7	606	7	582
							0.5		0.7		0.5	
	A	miR-23			-0.902493		42	-0.111031	32	-0.103093	02	-0.214124
Jejunum	L	76	-	-	009	Negative	6	312	4	493	1	805
Jejunum	A	miR-22	-	-	-0.883949	Negative	0.0	-0.472068	<.0	1.519374	0.0	1.047305

	L	85p			042		88	444	00	159	1	715
							4		1			
							0.2		0.8		0.2	
	A	miR-37			-0.878195		14	-0.295775	97	-0.034765	27	-0.330541
Jejunum	L	8b	-	-	796	Negative	6	807	6	418	8	225
							0.6		0.3		0.5	
	A	miR-67			-0.855945		62	0.080919	43	-0.206450	30	-0.125530
Jejunum	L	1	-	-	545	Negative	6	995	8	877	5	882
							0.5		0.6		0.9	
	A	miR-20			-0.853711		25	-0.092362	04	0.104255	58	0.011893
Jejunum	L	0a	-	-	268	Negative	9	393	5	551	6	158
							0.7		<.0		0.0	
	A	miR-42			-0.847273		63	-0.037535	00	1.153805	00	1.116269
Jejunum	L	5-3p	-	-	115	Negative	3	647	1	336	1	689
							0.8		0.9		0.9	
	A	miR-34			-0.846621		16	-0.128007	87	0.013674	10	-0.114332
Jejunum	L	c	-	-	514	Negative	8	612	8	937	9	675
							0.3		0.3		0.8	
	A	miR-37			-0.839514		17	-0.183248	25	0.137088	22	-0.046160
Jejunum	L	8	-	-	175	Negative	3	997	2	035	7	961
							0.3		0.2		0.1	
	A	miR-19			-0.826128		23	-0.148989	82	-0.291937	40	-0.440926
Jejunum	L	4	-	-	247	Negative	5	428	7	278	4	706
							0.3		0.9		0.5	
	A	miR-37			-0.823218		53	-0.133330	13	0.018021	84	-0.115309
Jejunum	L	8c	-	-	078	Negative	1	723	3	408	2	316
							0.3	0.222392	0.3	0.263034	0.0	0.485426
Jejunum	L	0	-	-	668	Negative	55	421	52	406	28	827

						6		1			
						0.0		0.0	0.0		
	A	miR-19		-0.858573		23	0.359842	00	-0.731232	11	-0.371389
Jejunum	L	7	-	428	-	5	867	7	481	4	614
						0.1		0.0		0.0	
	A	miR-22		-0.904671		69	0.144787	00	0.738357	00	0.883144
Jejunum	L	85k	-	491	-	8	25	4	15	1	4
						0.2				0.8	
	A	miR-30	-0.8936	-0.856331		24	0.387023	0.1	-0.387023	33	
Jejunum	L	b-3p	12299	404	-	7	123	72	123	5	0
						0.7		0.2		0.0	
	A	miR-50		-0.876935		75	0.044807	33	0.184217	97	0.229025
Jejunum	L	5	-	459	-	5	795	5	718	6	514
						0.0		0.0		0.0	
	A	miR-65	-0.8563	-0.907492		07	0.504783	00	-0.790887	68	-0.286103
Jejunum	L	2	54004	091	-	6	13	2	02	9	89
								0.2		0.4	
	C	miR-24		0.890545		0.3	0.192645	37	-0.362570	72	-0.169925
Jejunum	S	43	-	-	174	85	078	2	079	1	001
						0.7		0.1		0.2	
	C	miR-10		0.921121		75	-0.070389	16	0.422691	77	0.352301
Jejunum	S	6a	-	033	-	2	328	1	072	3	744
						0.3		0.0		0.4	
	C	miR-12		0.970826		81	0.216317	96	-0.338801	93	-0.122484
Jejunum	S	96	-	485	-	9	907	4	913	7	007
								0.1		0.5	
	C	miR-15		0.826561		0.1	0.365837	79	-0.235783	38	0.130053
Jejunum	S	0	-	263	-	15	59	5	64	3	949

						0.1		0.3		0.7	
	C	miR-15	0.82463			69	-0.143888	16	0.103988	14	-0.039900
Jejunum	S	b	9812	-	-	1	927	7	844	8	083
						0.5		0.0		0.0	
	C	miR-18	0.905534			17	0.101743	29	0.231780	49	0.333523
Jejunum	S	1c	-	789	-	4	865	4	059	6	924
						0.6		0.0		0.0	
	C	miR-22	0.85256			56	-0.115477	09	0.893084	28	0.777607
Jejunum	S	85r	1063	-	-	5	217	3	796	1	579
						0.9		0.1		0.1	
	C	miR-29	0.846121			06	-0.044854	04	-0.760329	08	-0.805183
Jejunum	S	04	-	273	-	5	236	3	587	5	823
						0.4		0.0		0.0	
	C	miR-30	0.87579			51	-0.072750	32	0.246327	82	0.173576
Jejunum	S	c	5253	-	-	6	249	7	027	1	778
						0.1		0.0		0.0	
	C	miR-32	0.837714			96	0.148977	08	-0.491448	30	-0.342470
Jejunum	S	0a	-	44	-	7	355	1	308	1	954
						0.2		0.0		0.7	
	C	miR-32	0.826837			36	0.530514	73	-0.637429	99	-0.106915
Jejunum	S	3	-	534	-	9	717	5	921	4	204
						0.5		0.7		0.7	
	C	miR-33	0.89265			47	0.074478	10	-0.040719	68	0.033759
Jejunum	S	9a	2517	-	-	1	216	1	033	6	183
						0.0		0.7			
	C	miR-36	0.980851			87	0.181547	41	0.050626	0.0	0.232173
Jejunum	S	3	-	135	-	3	369	5	073	61	442
Jejunum	C	miR-42	0.88639	-	-	0.7	-0.037535	<.0	1.153805	0.0	1.116269

	S	5-3p	7199				63	647	00	336	00	689
							3		1		1	
							0.2		0.5		0.1	
	C	miR-44	0.837440				69	0.332575	46	0.169925	16	0.502500
Jejunum	S	9a	-	284	-	Positive	2	339	8	001	8	341
							0.8		0.3		0.1	
	C	miR-48	0.816158				41	-0.028453	02	-0.192164	49	-0.220618
Jejunum	S	4	-	627	-	Positive	1	895	2	74	7	635
							0.2		0.9		0.2	
	C	miR-49	-0.888372				49	0.241008	65		46	0.241008
Jejunum	S	1	-	-	456	Negative	9	1	6	0	3	1
									0.4		0.0	
	C	miR-24	-0.872078				0.0	0.710493	48	0.459431	03	1.169925
Jejunum	S	83-5p	-	-	471	Negative	76	383	8	619	6	001
							0.2				0.3	
	C	miR-28	-0.852981				74	1.137503	0.0	-1.863938	22	-0.726434
Jejunum	S	85	-	-	029	Negative	7	524	41	45	5	927
							0.6		0.0		0.0	
	C	miR-22	-0.843506				69	-0.094859	07	0.571906	86	0.477047
Jejunum	S	85b	-	826	-	Negative	3	186	3	348	3	162
							0.7		0.0			
	C	miR-22	-0.839737				99	-0.051530	03	0.529109	0.0	0.477578
Jejunum	S	85u	-	001	-	Negative	3	301	7	266	77	965
							0.2				0.8	
	C	miR-30	-0.8735				24	0.387023	0.1	-0.387023	33	
Jejunum	S	b-3p	69472	-	-	Negative	7	123	72	123	5	0
	C	miR-65	-0.8843				0.6	0.142019	0.1	-0.389946	0.3	-0.247927
Jejunum	S	23	03747	-	-	Negative	11	005	51	518	75	513

						7		5		1		
								0.6		0.0		
	R	miR-34			0.819140	0.0	0.325240	36	0.050626	66	0.375866	
Jejunum	S	5-5p	-	-	477	Positive	83	829	8	073	6	902
							0.0			0.7		
	R	miR-36			0.834989		87	0.181547	41	0.050626	0.0	0.232173
Jejunum	S	3	-	-	905	Positive	3	369	5	073	61	442
							0.8			0.9		0.8
	R	miR-36			0.845141		64	-0.028569	46	-0.028014	57	-0.056583
Jejunum	S	9-5p	-	-	528	Positive	4	152	3	376	2	528
							0.4			0.0		0.2
	R	miR-30			0.856198		08	-0.113739	07	0.308177	24	0.194438
Jejunum	S	1a	-	-	834	Positive	9	147	3	507	8	36
							0.0			0.0		0.7
	R	miR-22			0.861179		10	-0.486538	08	0.413186	22	-0.073351
Jejunum	S	84z	-	-	872	Positive	2	445	5	704	7	742
												0.2
	R	miR-23			0.887445		0.2	-0.216999	0.0	0.491925	06	0.274926
Jejunum	S	36	-	-	029	Positive	19	163	02	464	2	302
							0.4			0.9		0.3
	R	miR-18			0.891087		15	-0.212512	88	-0.002829	30	-0.215342
Jejunum	S	2	-	-	273	Positive	9	9	9	631	2	531
							0.3			0.9		0.5
	R	miR-37			0.931257		53	-0.133330	13	0.018021	84	-0.115309
Jejunum	S	8c	-	-	192	Positive	1	723	3	408	2	316
							0.4			0.0		0.1
	R		0.83269				10	0.190908	38	-0.467215	56	-0.276307
Jejunum	S	let-7e	1208	-	-	Positive	2	001	8	552	1	551

						0.1		<.0		0.0	
	R	miR-10	0.82860			28	0.415971	00	1.322715	00	1.738686
Jejunum	S	0	1842	-	-	1	585	1	163	6	747
						0.1		0.0		0.0	
	R	miR-12	0.89686	0.858389		23	0.247779	04		03	0.671581
Jejunum	S	5b	5876	021	-	5	684	1	0.423802	9	684
						0.4		0.0		0.0	
	R	miR-13	0.82782			64	0.177084	00	-0.918329	03	-0.741244
Jejunum	S	07	4761	-	-	8	793	7	268	6	475
						0.4		0.0			
	R	miR-17		0.932595		34	-0.124071	19	-0.374303	0.0	-0.498374
Jejunum	S	-3p	-	895	-	6	108	9	708	11	816
						0.9		0.0		0.1	
	R	miR-18		0.919277		93	0.002343	39	0.333705	70	0.336049
Jejunum	S	a	-	012	-	2	94	7	263	1	203
						0.5		0.9		0.5	
	R	miR-19	0.92578	0.927416		42	0.099258	84	0.002077	67	0.101336
Jejunum	S	9c	8242	854	-	1	871	2	315	7	186
						0.0		0.0		0.6	
	R	miR-19		0.889886		95	-0.256405	12	0.333044	52	0.076638
Jejunum	S	a	-	965	-	1	667	2	127	7	46
						0.5		0.6		0.9	
	R	miR-20		0.921311		25	-0.092362	04	0.104255	58	0.011893
Jejunum	S	0a	-	491	-	9	393	5	551	6	158
						0.9		0.0		0.0	
	R	miR-20		0.949795		83	0.003240	13	0.375872	46	0.379112
Jejunum	S	a	-	662	-	2	452	1	419	9	871
Jejunum	R	miR-22	0.94549	0.956537	-	0.3	-0.104512	0.0	-0.173528	0.0	-0.278040

	S	1	4695	039			71	047	78	238	25	284
							3		8		3	
							0.2		0.2		0.8	
	R	miR-22	0.81430	0.813495			35	-0.280107	89	0.280107	95	
Jejunum	S	85c	81	695	-	Positive	5	919	2	919	8	0
							0.0				0.8	
	R	miR-32	0.85069	0.914004			51	0.352190	0.1	-0.320597	74	0.031593
Jejunum	S	4	7286	022	-	Positive	2	934	46	809	7	125
							0.8		0.4		0.3	
	R	miR-33	0.83069	0.844979			16	-0.048094	78	-0.198545	82	-0.246639
Jejunum	S	b	1593	119	-	Positive	1	288	7	679	7	968
							0.0				0.5	
	R	miR-34	0.96464				60	0.409112	0.0	-0.304479	54	0.104633
Jejunum	S	31	7613	-	-	Positive	8	665	25	124	3	541
							0.7		<.0		0.0	
	R	miR-42	0.84825				63	-0.037535	00	1.153805	00	1.116269
Jejunum	S	5-3p	9559	-	-	Positive	3	647	1	336	1	689
											0.0	
	R	miR-42		0.811187			0.3	-0.192732	0.1	-0.383028	30	-0.575761
Jejunum	S	9	-	93	-	Positive	41	153	33	936	7	088
							0.0		0.7		0.1	
	R	miR-45		0.833421			90	0.308429	04	0.055432	02	0.363862
Jejunum	S	5-3p	-	938	-	Positive	8	847	7	391	9	238
							0.2		0.9		0.2	
	R	miR-49	0.81043				49	0.241008	65		46	0.241008
Jejunum	S	1	2165	-	-	Positive	9	1	6	0	3	1
	R	miR-50		0.813948			0.4	-0.082462	0.0	-0.473931	0.0	-0.556393
Jejunum	S	2a	-	7	-	Positive	95	16	35	188	32	349

						2		7		2	
						0.2		0.0		0.0	
	R	miR-61		0.884753		35	-0.179108	05	0.534588	29	0.355480
Jejunum	S	19-3p	-	01	-	4	324	3	978	3	655
						0.6		0.1		0.3	
	R	miR-65	0.91074			11	0.142019	51	-0.389946	75	-0.247927
Jejunum	S	23	4842	-	-	7	005	5	518	1	513
						0.6		0.3		0.5	
	R	miR-67		0.821990		62	0.080919	43	-0.206450	30	-0.125530
Jejunum	S	1	-	843	-	6	995	8	877	5	882
						0.0		0.0			
	R	miR-76	0.87015			39	0.493040	06	-0.704544	0.4	-0.211504
Jejunum	S	0-3p	9807	-	-	7	011	8	116	18	105
						0.9		0.0		0.0	
	R	miR-76	0.83055			46	0.009690	47	-0.485640	55	-0.475950
Jejunum	S	9	7188	-	-	3	057	7	496	1	439
						0.9		0.1		0.0	
	R	miR-99		0.862002		56	0.009277	15	0.393481	98	0.402759
Jejunum	S	a-3p	-	969	-	8	814	4	356	6	17
						0.4		0.0		0.0	
	R	miR-34			-0.947368	75	0.167186	11	0.355553	64	0.522739
Jejunum	S	32	-	-	308	5	919	8	066	9	986
						0.0		0.2		0.6	
	R	miR-48			-0.942842	00	0.933389	17	-0.724708	35	0.208681
Jejunum	S	6	-	-	301	7	437	9	128	6	309
						0.1		0.0		0.6	
	R	miR-19			-0.920400	57	0.265382	19	-0.337817	89	-0.072435
Jejunum	S	3b	-	-	061	1	161	3	997	2	836

								0.2		0.0		0.0	
	R	miR-18			-0.860130			05	0.252692	14	0.485426	07	0.738119
Jejunum	S	5	-	-	744	Negative		8	462	8	827	6	289
								0.1		<.0		0.0	
	R	miR-12			-0.821671			90	0.431157	00	2.258502	00	2.689659
Jejunum	S	71	-	-	013	Negative		1	165	1	715	8	879
								0.0		0.2		0.0	
	R	miR-87			-0.810729			15	0.379848	89	0.185214	02	0.565062
Jejunum	S	4	-	-	811	Negative		6	071	2	872	6	943
								0.1		0.0		0.0	
	R	miR-99			-0.810112			85	0.279081	00	1.055516	01	1.334597
Jejunum	S	a-5p	-	-	821	Negative		2	56	1	051	5	611
										0.3		0.3	
	R	miR-12		-0.816652				0.1	-1.083055	17	0.742018	01	-0.341036
Jejunum	S	46	-	076	-	Negative		9	74	4	822	4	918
								0.3		0.3		0.1	
	R	miR-14	-0.9332					55	0.176052	73	0.168377	87	0.344429
Jejunum	S	1	32058	-	-	Negative		3	404	1	22	4	623
								0.1		0.0			
	R	miR-15	-0.8377					74	0.080124	21	0.179269	0.0	0.259394
Jejunum	S	1-3p	59844	-	-	Negative		9	748	4	942	07	69
								0.8		0.0		0.0	
	R	miR-22	-0.8740					92	-0.033748	00	0.679740	62	0.645991
Jejunum	S	85t	91758	-	-	Negative		2	791	4	725	7	934
								0.1		0.1		0.6	
	R	miR-24	-0.9388					00	-0.447458	86	0.321928	59	-0.125530
Jejunum	S	11-5p	56266	-	-	Negative		3	977	3	095	7	882
Jejunum	R	miR-37	-0.8207	-	-	Negative		0.9	0.009202	0.0	0.695831	0.0	0.705033

	S	4a	43167				48	066	01	348	04	414
							1		3		1	
							0.2		0.8		0.2	
	R	miR-37	-0.8111	-0.866850			14	-0.295775	97	-0.034765	27	-0.330541
Jejunum	S	8b	77882	862	-	Negative	6	807	6	418	8	225
							0.7		<.0		0.0	
	R	miR-37	-0.8278				31	0.066233	00	1.727315	00	1.793549
Jejunum	S	9	67559	-	-	Negative	3	698	1	424	1	123
							0.6		0.1		0.1	
	R	miR-50	-0.8360				51	0.093109	15	0.736965	17	0.830074
Jejunum	S	3-3p	66203	-	-	Negative	9	404	4	594	6	999
							0.8				0.1	
	R	miR-65		-0.845051			24	0.034889	0.0	0.293435	09	0.328325
Jejunum	S	24	-	043	-	Negative	8	982	76	884	7	866
							0.1		0.0		0.4	
	A	miR-18			0.829409		10	-0.350876	64	0.489618	08	0.138741
Liver	L	1b	-	-	482	Positive	4	395	1	151	7	756
							0.1		0.5		0.2	
	A	miR-45			0.863725		63	-0.624104	27	0.282316	89	-0.341788
Liver	L	0a	-	-	68	Positive	1	756	8	239	2	517
											0.2	
	A	miR-24			0.864697		0.3	-0.573163	0.7	0.135136	84	-0.438027
Liver	L	19-5p	-	-	264	Positive	58	929	73	078	4	852
							0.4		0.1		0.2	
	A	miR-18			0.914106		31	-0.190885	11	0.457643	50	0.266758
Liver	L	1a	-	-	663	Positive	8	097	3	137	5	04
	A	miR-18	0.81498				0.6	-0.180572	0.2	0.502500	0.4	0.321928
Liver	L	14c	7831	-	-	Positive	40	246	32	341	88	095

							1	5	5			
							0.3	0.4	0.9			
	A	miR-19	0.94148	0.831497			55	-0.179099	66	0.165365	27	-0.013733
Liver	L	9a-3p	8439	583	-	Positive	8	018	5	28	8	738
							0.6	0.2	0.4			
	A	miR-23	0.81498				40	-0.180572	32	0.502500	88	0.321928
Liver	L	10	7831	-	-	Positive	1	246	5	341	5	095
							0.5	0.5	0.8			
	A	miR-23	0.98324	0.924976			71	-0.160464	06	0.247927	02	0.087462
Liver	L	99-5p	7736	527	-	Positive	5	672	6	513	8	841
							0.8	0.7	0.8			
	A	miR-24	0.84396				10	0.125530	24	-0.241008	31	-0.115477
Liver	L	03	2132	-	-	Positive	9	882	7	1	8	217
							0.5		0.5			
	A	miR-44	0.95196				15	0.592342	0.9	-0.065095	45	0.527247
Liver	L	9a	7575	-	-	Positive	1	031	41	028	8	003
							0.7	0.0	0.0			
	A				-0.909190		04	-0.033981	80	0.170981	89	0.137000
Liver	L	let-7g	-	-	72	Negative	2	359	2	465	4	106
							0.3	0.1	0.4			
	A	let-7a-			-0.889641		41	-0.090577	15	0.147208	60	0.056631
Liver	L	5p	-	-	568	Negative	4	32	5	395	2	075
							0.5	0.8				
	A	miR-76			-0.884390		34	0.347923	77		0.5	0.347923
Liver	L	0-3p	-	-	438	Negative	7	303	7	0	42	303
									0.9		0.7	
	A	miR-26			-0.874418		0.7	0.033611	91	0.000766	29	0.034378
Liver	L	b	-	-	456	Negative	17	835	2	283	5	117

							0.3		0.0		0.6	
	A	miR-14			-0.851137		27	0.101664	28	-0.145459	58	-0.043795
Liver	L	0	-	-	476	Negative	9	092	4	397	5	305
							0.6		0.5		0.3	
	A	miR-36			-0.836475		23	0.096215	90	0.103093	48	0.199308
Liver	L	5-5p	-	-	37	Negative	2	315	8	493	9	808
							0.2		0.1		0.7	
	A	miR-17			-0.816379		72	-0.138328	59	0.184424	88	0.046096
Liver	L	-3p	-	-	337	Negative	2	157	6	571	2	415
							0.3		0.0		0.0	
	A		-0.8198	-0.848622			44	-0.514573	45	-0.722466	01	-1.237039
Liver	L	miR-1	33429	469	-	Negative	9	173	6	024	8	197
							0.9		0.6			
	A	miR-13			-0.900926		60	-0.013631	25	-0.145294	0.5	-0.158926
Liver	L	3a	-	683	-	Negative	2	866	6	137	77	002
							0.6		0.6		0.3	
	A	miR-19	-0.8113				56	0.076235	51	0.092364	14	0.168599
Liver	L	3a-5p	85098	-	-	Negative	4	586	2	018	2	604
							0.6		0.6		0.9	
	A	miR-22	-0.8311	-0.862600			31	-0.150416	19	0.158365	59	0.007948
Liver	L	85e	67515	041	-	Negative	1	843	8	596	9	753
									0.9		0.6	
	A	miR-37			-0.909938		0.7	-0.140177	51	-0.052467	61	-0.192645
Liver	L	6e	-	92	-	Negative	54	658	4	42	4	078
							0.6		0.2		0.1	
	A	miR-42	-0.8911	-0.891901			97	-0.050169	57	0.193166	95	0.142997
Liver	L	1	90145	45	-	Negative	6	596	8	943	5	346
Liver	A	miR-45	-0.8565	-0.895973	-	Negative	0.5	-0.347019	0.7	0.186364	0.5	-0.160654

	L	5-3p	73325	995			73	076	43	112	45	964
									3		1	
									0.8		0.8	
	A	miR-50		-0.867967				-0.078002	26	0.078002	26	
Liver	L	2a	-	164	-	Negative	0.6	512	8	512	3	0
							0.4		0.2			
	A	miR-67	-0.8381	-0.836160			48	0.131244	86	-0.251538	0.6	-0.120294
Liver	L	1	02807	122	-	Negative	1	533	8	767	26	234
							0.6		0.6		0.9	
	C	miR-22		0.846756			31	-0.150416	19	0.158365	59	0.007948
Liver	S	85e	-	-	138	Positive	1	843	8	596	9	753
							0.9		0.1		0.2	
	C	miR-50		0.857821			87		72	-0.253756	19	-0.253756
Liver	S	0	-	-	023	Positive	5	0	1	592	3	592
							0.6		0.7		0.8	
	C	miR-14		0.867948			22	-0.055360	42	0.029950	24	-0.025409
Liver	S	8a	-	-	99	Positive	8	386	2	813	1	573
									0.6		0.3	
	C	miR-20		0.939158			0.6	-0.094437	00	-0.081808	21	-0.176245
Liver	S	a	-	-	55	Positive	12	464	3	344	2	808
							0.6		0.8		0.5	
	C	miR-19		0.976418			89	0.070389	34	0.036525	40	0.106915
Liver	S	7	-	-	096	Positive	2	328	1	876	4	204
							0.6				0.1	
	C	miR-15		0.828357			47	-0.075546	0.4	-0.109391	14	-0.184938
Liver	S	2	-	734	-	Positive	7	932	83	934	2	867
	C	miR-20		0.821738			0.3	8.730753	<.0	-4.087462	0.3	4.643290
Liver	S	5	-	504	-	Positive	40	157	00	841	57	316

						4		1		9	
						0.2		0.3		0.1	
	C	miR-22		0.940064		08	0.243454	30	0.144948	01	0.388402
Liver	S	84aa	-	48	-	4	037	6	336	7	373
						0.6		0.4		0.6	
	C	miR-22		0.830446		63	-0.089267	91	0.184424	97	0.095157
Liver	S	84y	-	96	-	9	338	8	571	2	233
						0.7		0.7		0.9	
	C			0.848127		06	0.071258	12	-0.053771	62	0.017487
Liver	S	miR-24	-	981	-	2	683	4	256	1	427
										0.2	
	C	miR-24		0.856740		0.3	-0.573163	0.7	0.135136	84	-0.438027
Liver	S	19-5p	-	298	-	58	929	73	078	4	852
						0.8		0.9		0.8	
	C	miR-30		0.838454		40	-0.106915	80		59	-0.106915
Liver	S	b-3p	-	144	-	8	204	9	0	7	204
						0.6		0.5		0.3	
	C	miR-36		0.876009		23	0.096215	90	0.103093	48	0.199308
Liver	S	5-5p	-	64	-	2	315	8	493	9	808
						0.1		0.5		0.3	
	C	miR-37	0.86248			38	0.242430	15	-0.081714	15	0.160715
Liver	S	4b	0894	-	-	6	175	7	65	7	525
						0.5		0.0		0.3	
	C	miR-37	0.87654			91	0.418879	46	0.548869	00	0.967749
Liver	S	5	676	-	-	8	566	9	498	7	064
						0.6				0.8	
	C	miR-53		0.877923		40	0.075208	0.5	-0.043779	31	0.031429
Liver	S	2	-	12	-	3	82	86	573	5	247

							0.7		0.3		0.4		
	C	miR-9-	0.86979				33	-0.166897	34	0.451874	28	0.284976	
Liver	S	5p	4543	-	-	Positive	8	309	7	267	8	959	
							0.7		0.9				
	C						39	0.052674	11	0.020126	0.6	0.072800	
Liver	S	let-7c	-	-	983	Negative	5	03	3	028	06	058	
							0.2		0.9				
	C	miR-27					74	0.612976	26	-0.082462	0.3	0.530514	
Liver	S	a-5p	-	-	473	Negative	7	877	4	16	11	717	
							0.2		0.7		0.4		
	C						45	0.111351	14	-0.025479	32	0.085871	
Liver	S	let-7b	-	-	969	Negative	5	424	8	586	2	838	
							0.2		0.7		0.2		
	C	miR-34					88	-0.618129	47	-0.203533	22	-0.821662	
Liver	S	c	-	-	687	Negative	1	365	1	394	5	759	
							0.3		0.4		0.9		
	C	miR-19					55	-0.179099	66	0.165365	27	-0.013733	
Liver	S	9a-3p	-	-	947	Negative	8	018	5	28	8	738	
							0.6		0.4		0.6		
	C	miR-19					41	0.100730	34	-0.263034	10	-0.162303	
Liver	S	9c	-	-	583	Negative	7	632	5	406	2	774	
							0.8		0.8		0.9		
	C	miR-99					78	0.020536	82	-0.028163	61	-0.007626	
Liver	S	a-3p	-	-	11	Negative	5	931	3	53	9	599	
							0.1				0.2		
	C	miR-65					01	-0.559427	0.5	0.222392	64	-0.337034	
Liver	S	22	-	-	816	Negative	6	409	78	421	2	987	
Liver	C	miR-18	-	-	-0.897647	Negative	0.9	0.030161	0.5	0.149747	0.4	0.179909	Liver(Down)

	S	1d			628		26	971	67	12	66	09
							5		9		5	
									0.2		0.2	
	C	miR-21			-0.888738		0.7	0.035352	01	-0.315744	42	-0.280391
Liver	S	4	-	-	917	Negative	85	978	1	223	1	245
							0.8		0.0		0.1	
	C	miR-15			-0.886560		12	-0.071083	31	0.595721	12	0.524638
Liver	S	5	-	-	823	Negative	9	098	4	847	5	749
							0.6		0.5		0.4	
	C	miR-27			-0.881092		08	0.067906	42	0.043498	28	0.111405
Liver	S	a-3p	-	-	605	Negative	5	13	1	889	1	018
							0.7		0.4		0.5	
	C	miR-19			-0.869198		08	0.070962	00	-0.260342	53	-0.189380
Liver	S	5	-	-	668	Negative	2	424	8	69	2	267
							0.7		0.8		0.9	
	C	miR-19			-0.867222		14	0.159070	03	-0.126007	45	0.033062
Liver	S	9b	-	-	448	Negative	5	418	1	885	1	533
							0.3		0.7		0.5	
	C	miR-13			-0.859998		92	-0.163249	22	0.070931	52	-0.092317
Liver	S	0a	-	-	459	Negative	6	576	6	623	1	953
							0.4		0.3		0.2	
	C	miR-50			-0.854587		79	0.519374	70	0.514573	45	1.033947
Liver	S	4	-	-	073	Negative	4	159	3	173	2	332
							0.6		0.2		0.3	
	C	miR-21			-0.847169		11	0.119839	64	-0.565904	51	-0.446064
Liver	S	8	-	-	161	Negative	1	77	4	165	5	395
							0.8	0.027005	0.4	-0.215771	0.4	-0.188766
Liver	S	9a-5p	-	-	265	Negative	78	387	11	823	64	436

						0.5		0.6		0.2		
	C	miR-20		-0.857972		87	-0.177363	48	-0.117871	45	-0.295234	
Liver	S	4	-	711	-	6	299	3	058	8	356	
						0.2		0.7		0.3		
	C	miR-22		-0.8233		41	0.263668	99	-0.052331	06	0.211337	
Liver	S	85k	89091	-	-	1	697	8	464	9	233	
								0.7		0.5		
	C	miR-45		-0.9147		0.5	-0.347019	43	0.186364	45	-0.160654	
Liver	S	5-3p	49849	-	-	73	076	3	112	1	964	
						0.1				0.1		
	C	miR-48		-0.8517		46	0.383328	0.9	-0.012490	25	0.370837	
Liver	S	3	89297	-	-	5	64	58	944	6	695	
						0.4		0.9		0.2		
	C	miR-48		-0.8639		35	0.119379	73	0.005088	96	0.124468	
Liver	S	4	93079	-	-	9	56	5	877	7	436	
						0.4		0.5		0.7		
	C	miR-50		-0.8864	-0.836889	52	0.190331	47	-0.123988	55	0.066342	
Liver	S	2b	11461	06	-	9	212	3	717	7	495	Liver(Up)
						0.1		0.0		0.6		
	C	miR-59		-0.842399		17	-0.652076	79	0.781359	68	0.129283	
Liver	S	2	-	345	-	2	697	9	714	3	017	
						0.2		0.5		0.1		
	C	miR-65		-0.8111		53	0.271302	56	0.099281	02	0.370583	
Liver	S	2	95195	-	-	7	022	5	879	4	901	
						0.8				0.0		
	C	miR-65		-0.8113		57	-0.041820	0.0	0.669851	12	0.628031	
Liver	S	20	03571	-	-	1	176	14	398	4	223	
Liver	C	miR-87		-0.8593	-0.891354	-	0.8	-0.028929	0.8	-0.027557	0.7	-0.056487

	S	4		81532		819			82	257	82	934	67	191
											1		4	
								0.3			0.4		0.0	
	R					0.815105		89	0.080533	80	0.052105	77	0.132639	
Liver	S	miR-25	-	-		136	Positive	1	4	4	824	6	224	
								0.7			0.0		0.0	
	R					0.823922		04	-0.033981	80	0.170981	89	0.137000	
Liver	S	let-7g	-	-		696	Positive	2	359	2	465	4	106	Liver(Down)
								0.8			0.1		0.1	
	R	miR-22				0.824523		19	0.045514	17	0.308122	56	0.353636	
Liver	S	84z	-	-		768	Positive	5	659	6	295	1	955	
								0.0			0.0		0.7	
	R					0.825703		81	-0.286650	72	0.322019	66	0.035368	
Liver	S	miR-28	-	-		2	Positive	5	568	4	123	4	555	
								0.1			0.0		0.7	
	R	miR-92				0.826682		24	-0.230020	82	0.284401	63	0.054381	
Liver	S	a	-	-		752	Positive	7	436	1	441	4	005	
								0.3			0.7		0.3	
	R	miR-28				0.828013		00	1.060153	60	-0.140935	60	0.919217	
Liver	S	87	-	-		487	Positive	9	135	7	79	1	345	
								0.1			0.2		0.6	
	R					0.831421		25	-0.362570	22	0.231325	74	-0.131244	
Liver	S	miR-95	-	-		058	Positive	6	079	8	546	8	533	
								0.1					0.6	
	R	miR-12				0.837754		33	-0.369456	0.2	0.278691	52	-0.090765	
Liver	S	8	-	-		875	Positive	5	465	43	001	2	464	
								0.2	0.243454	0.3	0.144948	0.1	0.388402	
Liver	S	84aa	-	-		589	Positive	08	037	30	336	01	373	

						4		6		7		
								0.7		0.1		
Liver	R	miR-24			0.841667	0.4	-0.788495	64	-0.144389	39	-0.932885	
	S	19-3p	-	-	453	73	895	1	909	9	804	
						0.8		0.7		0.6		
Liver	R	miR-33			0.863618	78	-0.019003	08	-0.075101	59	-0.094105	
	S	b	-	-	322	6	942	8	455	7	397	
						0.5		0.0		0.3		
Liver	R	miR-37			0.869761	91	0.418879	46	0.548869	00	0.967749	
	S	5	-	-	557	8	566	9	498	7	064	
						0.8		0.7		0.9		
Liver	R	miR-65			0.872084	11	-0.064130	63	0.064130	94		
	S	17	-	-	134	4	337	8	337	2	0	
										0.6		
Liver	R	miR-49			0.901360	0.0	-0.402978	0.0	0.336227	80	-0.066750	Liver(Specific
	S	7	-	-	068	25	123	8	885	8	237)
								0.0		0.3		
Liver	R	miR-24			0.915160	0.1	1.276383	69	-0.628369	45	0.648014	
	S	87	-	-	958	29	959	8	288	3	671	
						0.3		0.5		0.1		
Liver	R	miR-24			0.948077	04	0.450265	24	0.215833	63	0.666099	
	S	78	-	-	657	4	988	5	276	3	263	
						0.1		0.4		0.2		
Liver	R	miR-12	0.85548			60	1.035623	89	-0.263034	41	0.772589	
	S	91	5102	-	-	6	91	4	406	7	504	
						0.7		0.7		0.9		
Liver	R	miR-12	0.90494			50	-0.125530	09	0.125530	38		
	S	9-3p	7898	-	-	7	882	6	882	3	0	

							0.7		0.2		0.5		
	R	miR-13	0.81019				69	-0.100928	22	0.302562	00	0.201633	
Liver	S	06	6676	-	-	Positive	8	909	6	77	6	861	
							0.2		0.1		0.7		
	R	miR-21	0.86746	0.853782			86	-0.447458	20	0.584962	43	0.137503	
Liver	S	9-5p	0477	961	-	Positive	4	977	9	501	6	524	
							0.7		0.7		0.5		
	R	miR-24		0.851184			52	-0.064130	59	-0.120294	37	-0.184424	
Liver	S	68	-	736	-	Positive	4	337	1	234	8	571	
							0.8		0.9		0.8		
	R	miR-30	0.93829				40	-0.106915	80		59	-0.106915	
Liver	S	b-3p	7434	-	-	Positive	8	204	9	0	7	204	
							0.1		0.4		0.2		
	R	miR-36	0.86056	0.810548			50	-0.347923	32	0.129283	18	-0.218640	
Liver	S	13	2897	658	-	Positive	9	303	2	017	6	286	
							0.9		0.4		0.5		
	R	miR-15			-0.963597		47	0.008322	64	-0.104138	24	-0.095816	
Liver	S	1-5p	-	-	472	Negative	5	578	5	841	2	264	
							0.4		0.3				
	R	miR-23			-0.948770		98	0.141940	55	-0.148716	0.9	-0.006775	
Liver	S	a	-	-	277	Negative	9	945	4	445	77	501	
							0.0		0.0		0.8		
	R				-0.901553		74	0.592575	17	-0.652076	43	-0.059501	
Liver	S	miR-7	-	-	119	Negative	6	685	7	697	1	012	
							0.4		0.1		0.4		
	R	miR-36			-0.899821		83	0.091565	46	-0.188848	38	-0.097282	
Liver	S	1	-	-	158	Negative	6	353	5	161	7	808	
Liver	R	miR-10	-	-	-0.897715	Negative	0.5	0.099553	0.2	-0.398690	0.3	-0.299137	Liver(Down)

	S	0			413		83	924	53	968	78	044
							2				4	
							0.2		0.2		0.5	
	R	miR-99			-0.887855		28	0.258908	36	-0.477121	75	-0.218213
Liver	S	a-5p	-	-	645	Negative	5	149	2	649	1	5
							0.0		0.0		0.9	
	R	miR-37			-0.870473		70	0.415695	62	-0.416353	97	-0.000657
Liver	S	4a	-	-	843	Negative	3	513	5	227	2	714
							0.1		0.0		0.6	
	R	miR-24			-0.848797		06	0.525356	47	-0.700513	18	-0.175156
Liver	S	-3p	-	-	89	Negative	9	985	2	618	6	634
									0.6		0.8	
	R	miR-19			-0.847180		0.6	0.071157	99	-0.056037	74	0.015120
Liver	S	2	-	-	199	Negative	01	845	4	034	7	811
							0.2		0.7		0.3	
	R	miR-22			-0.829806		41	0.263668	99	-0.052331	06	0.211337
Liver	S	85k	-	-	774	Negative	1	697	8	464	9	233
							0.1		0.1		0.6	
	R	miR-21			-0.824079		47	0.472170	71	-0.351531	88	0.120638
Liver	S	-3p	-	-	486	Negative	5	73	3	808	3	923
							0.6		0.2		0.4	
	R	miR-18			-0.820089		40	-0.180572	32	0.502500	88	0.321928
Liver	S	14c	-	-	163	Negative	1	246	5	341	5	095
							0.6		0.2		0.4	
	R	miR-23			-0.820089		40	-0.180572	32	0.502500	88	0.321928
Liver	S	10	-	-	163	Negative	1	246	5	341	5	095
	R	miR-18			-0.818464		0.9	-0.024045	0.3	-0.290590	0.5	-0.314635
Liver	S	3	-	-	279	Negative	77	474	17	128	78	602

							8	9	1			
							0.2	0.2	0.7			
	R	miR-19			-0.815577		75	0.215459	32	-0.268199	48	-0.052739
Liver	S	1	-	-	372	Negative	1	707	5	141	7	434
							0.3	0.5	0.5			
	R	miR-11	-0.8586				19	-0.522421	26	0.303780	42	-0.218640
Liver	S	85	19105	-	-	Negative	6	035	1	748	5	286
								0.4	0.1			
	R	miR-15	-0.8251	-0.829562			0.1	-0.784271	25	0.339486	47	-0.444784
Liver	S	4b	3831	645	-	Negative	43	309	2	466	1	843
							0.2	0.6	0.5			
	R	miR-18		-0.961828			87	-0.242570	26	0.102957	42	-0.139613
Liver	S	1c	-	734	-	Negative	5	303	8	19	1	113
							0.5	0.7	0.6			
	R	miR-18		-0.893541			13	-0.286304	52	0.100824	56	-0.185479
Liver	S	2	-	442	-	Negative	4	185	4	37	4	816
							0.3	0.8	0.1			
	R	miR-23	-0.8603				38	0.415037	06	0.125530	73	0.540568
Liver	S	76	81973	-	-	Negative	6	499	6	882	9	381
							0.8	0.7	0.8			
	R	miR-24	-0.8948	-0.984902			10	0.125530	24	-0.241008	31	-0.115477
Liver	S	03	83834	674	-	Negative	9	882	7	1	8	217
							0.8	0.3	0.4			
	R	miR-36		-0.831487			02	-0.099535	90	0.282399	85	0.182864
Liver	S	3	-	008	-	Negative	4	674	2	731	8	057
							0.8	0.7	0.9			
	R	miR-37	-0.8859				17	0.088536	32	-0.122484	22	-0.033947
Liver	S	6b	69555	-	-	Negative	4	675	8	007	1	332

ry gland	S	1			063		34	725	11	225	22	5	Gland(Up)
							5		3		1		
							0.7		0.4		0.4		
Mamma	C	miR-92			-0.904329		35	-0.098795	99	-0.168048	27	-0.266843	
ry gland	S	a	-	-	474	Negative	7	059	7	441	4	5	
							0.2		0.0		0.0		
Mamma	C	miR-22			-0.901730		73	0.550363	25	-1.568919	68	-1.018555	
ry gland	S	4	-	-	372	Negative	5	839	5	658	6	819	
							0.3		0.9				
Mamma	C	miR-50			-0.875389		46	-0.412194	10	0.034557	0.2	-0.377637	
ry gland	S	4	-	-	897	Negative	8	75	8	222	51	527	
									0.2		0.0		
Mamma	C	miR-42			-0.872391		0.5	-0.377772	67	-0.548040	19	-0.925813	
ry gland	S	3-5p	-	-	262	Negative	34	368	2	736	7	105	
							0.0		0.0		0.1		
Mamma	R	miR-33			-0.857529		32	0.890051	02	-1.192183	80	-0.302131	
ry gland	S	8	-	-	839	Negative	8	533	8	391	8	858	
							0.0		0.0		0.3		
Mamma	R	miR-36			-0.843793		19	0.869530	03	-1.058459	69	-0.188929	
ry gland	S	2-5p	-	-	222	Negative	3	068	1	731	3	662	
									0.0		0.0		
Mamma	R	let-7a-			-0.840848		0.0	0.592364	02	-1.088510	26	-0.496145	
ry gland	S	3p	-	-	652	Negative	86	749	9	17	5	421	
							0.3				0.1		
Mamma	R	miR-13			-0.838025		96	0.689659	0.0	-1.446683	87	-0.757023	
ry gland	S	5a	-	-	018	Negative	4	879	13	126	4	247	
Mamma	C	miR-22			-0.833771		0.0	-1.688055	0.0	0.951090	0.1	-0.736965	
ry gland	S	84b	-	-	813	Negative	18	994	84	4	78	594	

						7		3		6		
						0.0		0.0		0.8		
Mamma	C	miR-50			-0.823799	33	-1.362570	31	1.476902	16	0.114332	
ry gland	S	2b	-	-	491	Negative	6	079	3	755	1	675
							0.0	0.0		0.2		
Mamma	R	miR-14			-0.823582	05	1.481869	00	-1.741931	97	-0.260062	
ry gland	S	4	-	-	286	Negative	5	008	8	847	9	839
							0.3	0.0		0.4		
Mamma	R	miR-28			0.810455	84	0.538623	76	-0.906890	67	-0.368266	
ry gland	S	87	-	-	549	Positive	7	786	5	596	7	81
							0.6	0.6		0.9		
Mamma	C	miR-30			0.810842	17	-0.387023	30	0.387023	00		
ry gland	S	b-3p	-	-	931	Positive	6	123	6	123	2	0
							0.1	0.2		0.0		
Mamma	R	miR-23			0.811323	02	-1.547487	78	0.788495	68	-0.758991	
ry gland	S	39	-	-	731	Positive	5	795	2	895	3	9
							0.9	0.7		0.7		
Mamma	R	miR-19			0.812221	65	0.021965	50	-0.152606	45	-0.130641	
ry gland	S	6a	-	-	867	Positive	7	331	3	605	7	274
							0.1	<.0		0.0		
Mamma	A	miR-24			0.813847	34	0.497499	00	-1.497499	00		
ry gland	L	43	-	-	281	Positive	2	659	1	659	3	-1
							0.3	0.6		0.0		
Mamma	R	miR-24			0.821662	99		91	-0.201633	59	-1.201633	
ry gland	S	19-3p	-	-	618	Positive	3	-1	3	861	7	861
							0.8	0.1		0.0		
Mamma	R	miR-22			0.823835	89	0.064851	39	-0.568283	11	-0.503432	
ry gland	S	84w	-	-	17	Positive	3	144	9	76	6	615

Mamma	R	miR-18			0.824265	0.4		0.9		0.0		
ry gland	S	1a	-	-	196	Positive	08	-0.475803	16	-0.048591	31	-0.524394
							9	575	4	264	5	839
Mamma	A	miR-12			0.824853		0.7		0.1		0.1	
ry gland	L	77	-	-	574	Positive	80	0.169925	04		82	-0.830074
							4	001	9	-1	6	999
Mamma	R	miR-24			0.825228		0.6		0.4		0.7	
ry gland	S	87	-	-	942	Positive	20	0.256339	04	-0.397759	81	-0.141419
							1	753	7	508	4	755
Mamma	C				0.825761		0.3				0.6	
ry gland	S	miR-1	-	-	698	Positive	71	-3.668947	0.3	3.435747	21	-0.233199
							7	171	79	994	3	176
Mamma	A	miR-19			0.826361		0.5		0.8		0.4	
ry gland	L	0a	-	-	442	Positive	28	0.804489	09	0.185031	27	0.989521
							5	588	3	894	7	482
Mamma	R	miR-12			0.827796		0.1		0.2		0.4	
ry gland	S	49	-	-	3	Positive	57	-0.730813	71	0.478047	60	-0.252766
							1	367	7	297	5	07
Mamma	R	miR-24			0.830833		0.6				0.0	
ry gland	S	19-5p	-	-	541	Positive	27	-0.347355	0.0	-1.073063	04	-1.420419
							3	648	17	462	6	111
Mamma	C	miR-29			0.832733		0.7		0.0		0.0	
ry gland	S	9	-	-	289	Positive	08	0.094636	86	0.560714	07	0.655351
							6	874	2	954	7	829
Mamma	C	miR-18			0.835486		0.4		0.4		0.9	
ry gland	S	a	-	-	17	Positive	70	0.357956	52	-0.364411	91	-0.006455
							1	404	6	426	4	022
Mamma	C	miR-37	-	-	0.837517	Positive	0.1	0.628780	0.1	-0.580506	0.8	0.048273

Mammary
Gland(Up)

ry gland	S	4a			716		46	461	31	609	35	852	
							9		1		8		
							0.0		<.0		0.0		
Mamma	C	miR-61			0.837662		56		00	-1.705256	04	-0.705256	
ry gland	S	19-3p	-	-	566	Positive	5	1	1	734	3	734	
							0.9		0.5		0.1		
Mamma	C	miR-54			0.840007		82		37	0.552541	12	0.552541	
ry gland	S	2-5p	-	-	105	Positive	8	0	4	023	8	023	
							0.7				0.2		
Mamma	R	miR-15			0.842788		88	-0.145940	0.4	-0.326128	34	-0.472068	
ry gland	S	4c	-	-	343	Positive	3	361	69	083	8	444	
							0.1				0.0		
Mamma	R	miR-87			0.843363		72	-1.901221	0.3	0.911869	01	-0.989352	
ry gland	S	7	-	-	802	Positive	7	846	68	09	4	756	
							0.4		0.0		0.3		
Mamma	C	miR-19			0.843565		33	0.250413	58	-0.480506	72	-0.230092	
ry gland	S	b	-	-	154	Positive	4	685	6	447	2	762	
									0.0		0.2		
Mamma	C	miR-20			0.845952		0.1	0.735645	11	-1.100679	24	-0.365034	
ry gland	S	a	-	-	788	Positive	65	049	2	169	9	119	
							0.1		0.5		0.1		
Mamma	C	miR-65			0.847021		98	-0.669851	14	0.222392	99	-0.447458	
ry gland	S	20	-	-	908	Positive	1	398	1	421	3	977	
							0.2		0.0		0.1		
Mamma	C	miR-45			0.853453		08	0.744742	25	-1.345135	34	-0.600392	
ry gland	S	4	-	-	682	Positive	2	945	7	486	5	541	
Mamma	A	miR-22			0.855384		0.0	-1.325964	0.4	0.447692	0.0	-0.878272	Mammary
ry gland	L	85t	-	-	271	Positive	95	917	26	687	26	23	Gland(Up)

						2		2		3		
						0.3		0.0		0.1		
Mamma	C	miR-17			0.858428	93	0.455025	40	-0.872922	56	-0.417897	
ry gland	S	-5p	-	-	962	4	349	1	502	7	153	
									0.0		0.0	
Mamma	C	let-7a-			0.862651	0.0	0.592364	02	-1.088510	26	-0.496145	
ry gland	S	3p	-	-	509	86	749	9	17	5	421	
						0.4		0.2			0.5	
Mamma	C	miR-22			0.862954	65	0.299560	39	-0.547487	19	-0.247927	
ry gland	S	85o	-	-	899	1	282	5	795	7	513	
						0.5		0.8			0.4	
Mamma	C	miR-19			0.866018	28	0.804489	09	0.185031	27	0.989521	Mammary
ry gland	S	0a	-	-	531	5	588	3	894	7	482	Gland(Up)
						0.1		0.0			0.2	
Mamma	C	miR-37			0.869627	18	0.516556	28	-0.707292	09	-0.190736	
ry gland	S	4b	-	-	464	8	259	4	666	4	407	
						0.4		0.9			0.4	
Mamma	R	miR-22			0.869888	36	-0.459431	25		46	-0.459431	
ry gland	S	85s	-	-	09	3	619	1	0	6	619	
						0.0		0.0			0.0	
Mamma	C	miR-42			0.871427	64	1.010327	00	-1.686638	16	-0.676310	
ry gland	S	9	-	-	343	1	657	2	222	2	565	
						0.4		0.1			0.5	
Mamma	A	miR-13			0.872590	08	-0.468725	12	0.819137	08	0.350411	
ry gland	L	88-5p	-	-	801	8	37	8	152	8	782	
						0.3		0.9			0.0	
Mamma	R				0.874157	28	-0.481822	72	0.013234	35	-0.468587	Mammary
ry gland	S	let-7c	-	-	965	3	244	5	807	8	437	Gland(Up)

Mamma	C	miR-12			0.878245	0.7				0.0				
ry gland	S	96	-	-	831	Positive	84	-0.099535	0.0	-0.736965	10	-0.836501		
							7	674	17	594	9	268		
							0.4		0.0		0.4			
Mamma	A	miR-13			0.879883		25	0.397115	72	-0.729823	12	-0.332707		
ry gland	L	88-3p	-	-	04	Positive	6	591	2	525	3	934		
							0.2		0.9		0.0			
Mamma	R				0.885115		54	-0.354780	42	-0.018479	14	-0.373260		
ry gland	S	let-7i	-	-	02	Positive	6	371	8	857	1	228		
							0.3		0.0		0.1			
Mamma	C	miR-26			0.885697		68	0.365365	36	-0.720613	28	-0.355248		
ry gland	S	a	-	-	877	Positive	4	871	9	955	8	085		
							0.8		0.7		0.8			
Mamma	C	miR-20			0.890690		28	0.106515	31	-0.150959	53	-0.044443	Mammary	
ry gland	S	0c	-	-	74	Positive	7	234	4	026	2	792	Gland(Up)	
							0.9		0.6					
Mamma	C	miR-14			0.911311		31	-0.046824	89	0.187025	0.6	0.140201	Mammary	
ry gland	S	6a	-	-	087	Positive	3	712	5	774	97	063	Gland(Down)	
							0.0				0.0			
Mamma	C				0.919813		74	0.722466	0.0	-1.137503	90	-0.415037		
ry gland	S	miR-24	-	-	858	Positive	1	024	01	524	2	499		
							0.0		0.0		0.1			
Mamma	C	miR-12			0.920598		59	0.985862	00	-1.454957	40	-0.469095		
ry gland	S	6-3p	-	-	227	Positive	5	336	3	808	7	471		
							0.4				0.2			
Mamma	C	miR-36			0.937044		51	0.326134	0.0	-0.625628	01	-0.299494		
ry gland	S	1	-	-	652	Positive	3	206	9	861	6	656		
Mamma	C	miR-15	-	-	0.945404	Positive	0.7	-0.180572	0.6	-0.197939	0.3	-0.378511		

ry gland	S	4b			38		93	246	78	378	88	623	
							1		7		9		
							0.2		0.3				
Mamma	R	miR-38			0.946233		31	-0.328180	29	0.254030	0.7	-0.074149	
ry gland	S	1	-	-	339	Positive	2	627	5	86	69	767	
							0.9		0.4		0.3		
Mamma	C	miR-50			0.946462		79		66	-0.530514	63	-0.530514	
ry gland	S	3-3p	-	-	88	Positive	8	0	9	717	9	717	
							0.2		0.0		0.1		
Mamma	C	miR-19			0.949207		25	0.508485	07	-0.923142	90	-0.414656	
ry gland	S	a	-	-	697	Positive	8	843	4	03	8	187	
							0.1		0.0				
Mamma	C	miR-37			0.966833		01	0.790546	40	-0.919829	0.6	-0.129283	
ry gland	S	6e	-	-	127	Positive	8	634	4	651	63	017	
							0.0		<.0		0.0		
Mamma	C	miR-10			0.983521		51	0.997729	00	-1.740137	13	-0.742408	
ry gland	S	6b	-	-	504	Positive	6	826	1	848	6	021	
							0.7		0.0		0.0		
Mamma	R				0.905704		27	0.132979	17	-0.715373	09	-0.582393	
ry gland	S	let-7e	-		885	Positive	3	992	7	837	1	845	
							0.9				0.7		Mammary
Mamma	R	miR-12	0.88884				98		0.8	0.383328	65	0.383328	gland(Specifi
ry gland	S	98	1871	-	-	Positive	2	0	02	64	4	64	c)
							0.8		0.4		0.3		
Mamma	R	miR-24			0.866328		17	-0.095577	90	0.331205	53	0.235628	
ry gland	S	11-5p	-		523	Positive	9	66	6	908	9	248	
Mamma	R	miR-24			0.810006		0.6	0.258160	0.0	-1.225352	0.0	-0.967191	
ry gland	S	78	-		097	Positive	19	865	03	471	12	607	

						5		3		9	
						0.6		0.2			
Mamma	R	miR-37		0.846831		07	-0.172688	98	-0.332095	0.0	-0.504784
ry gland	S	5	-	164	-	3	424	1	854	93	278
						0.4		0.0		0.4	
Mamma	C	miR-13		0.815193		25	0.397115	72	-0.729823	12	-0.332707
ry gland	S	88-3p	-	271	-	6	591	2	525	3	934
								0.0		0.0	
Mamma	C	miR-15	0.84051			0.2	0.334938	00	-1.032309	01	-0.697370
ry gland	S	b	8415	-	-	56	96	4	766	2	806
								0.0		0.0	
Mamma	C	miR-17		0.908967		0.3	0.316672	00	-0.973527	08	-0.656855
ry gland	S	-3p	-	803	-	71	369	5	789	4	419
						0.6		0.2		0.4	
Mamma	C	miR-22		0.836621		75	0.241008	20	-0.504042	84	-0.263034
ry gland	S	85c	-	997	-	2	1	8	505	4	406
						0.3		0.7		0.4	
Mamma	C	miR-23	0.89156			90	-0.447458	47	0.206450	95	-0.241008
ry gland	S	16	7818	-	-	6	977	9	877	2	1
						0.8		0.0		0.0	
Mamma	C	miR-36	0.85824			50	0.097297	31	-0.975833	01	-0.878536
ry gland	S	3	7111	-	-	9	201	9	689	8	488
						0.0		<.0		0.0	
Mamma	C	miR-48	0.89359			33	0.684686	00	-1.309141	02	-0.624455
ry gland	S	4	0218	-	-	3	75	1	94	5	19
						0.6		0.9		0.4	
Mamma	A	miR-10		0.974881		87	-0.129064	71	-0.009405	51	-0.138469
ry gland	L	1	-	971	-	4	275	2	395	2	67

Mamma	A	miR-12	0.88832	0.937224			0.2		0.7		0.1	
ry gland	L	47-5p	9363	327	-	Positive	47		17	0.293731	81	-0.706268
							2	-1	2	203	3	797
Mamma	A	miR-12		0.878621			0.7				0.0	
ry gland	L	96	-	954	-	Positive	84	-0.099535	0.0	-0.736965	10	-0.836501
							7	674	17	594	9	268
Mamma	A	miR-13	0.86493	0.897954			0.7		0.2		0.0	
ry gland	L	06	053	729	-	Positive	26	-0.171766	43	-0.451379	09	-0.623145
							7	348	3	346	4	695
Mamma	A	miR-14		0.886361			0.3				0.0	
ry gland	L	68	-	706	-	Positive	95	-0.650200	0.9	-0.009209	07	-0.659410
							3	437	88	718	9	156
Mamma	A	miR-14	0.84513	0.857176			0.1		0.0		0.2	
ry gland	L	8a	6126	74	-	Positive	55	-0.352848	49	0.519884	36	0.167035
							4	857	1	027	8	171
Mamma	A	miR-15	0.89494				0.9				0.0	
ry gland	L	0	6955	-	-	Positive	72	-0.020157	0.0	-1.125232	08	-1.145390
							1	744	24	971	4	714
Mamma	A	miR-16		0.835238			0.1		0.0			
ry gland	L	b	-	43	-	Positive	05	0.669139	04	-1.098308	0.0	-0.429168
							7	854	1	7	27	846
Mamma	A	miR-18	0.81701	0.916627			0.4		0.9		0.0	
ry gland	L	1a	8451	147	-	Positive	08	-0.475803	16	-0.048591	31	-0.524394
							9	575	4	264	5	839
Mamma	A	miR-18		0.942521			0.2		0.7		0.0	
ry gland	L	1b	-	794	-	Positive	89	-0.846788	72	0.180701	18	-0.666087
							9	872	7	738	5	134
Mamma	A	miR-19	0.99146	0.906234	-	Positive	0.9	0.021965	0.7	-0.152606	0.7	-0.130641

ry gland	L	6a	3631	743			65	331	50	605	45	274	
							7		3		7		
							0.9		0.8		0.9		Mammary
Mamma	A	miR-19	0.90312				14	-0.059172	54	0.087323	43	0.028151	gland(Specifi
ry gland	L	6b	9456	-	-	Positive	9	444	9	484	5	04	c)
							0.2				0.0		
Mamma	A	miR-20	0.81230	0.914095			76	-0.659488	0.9	-0.023327	86	-0.682816	
ry gland	L	5	4593	54	-	Positive	3	929	64	576	6	505	
							0.3		0.6		0.0		
Mamma	A	miR-21		0.855113			12	-0.385772	15	-0.140725	10	-0.526497	
ry gland	L	0	-	971	-	Positive	7	905	3	025	1	93	
									0.0		0.0		
Mamma	A	miR-22		0.854600			0.5	-0.241098	63	-0.608988	08	-0.850087	
ry gland	L	2	-	497	-	Positive	36	616	3	775	9	391	
							0.1				0.1		
Mamma	A	miR-22	0.89849	0.984410			55	-0.662965	0.9		37	-0.662965	
ry gland	L	84k	4917	359	-	Positive	9	013	66	0	5	013	
							0.2		0.0				
Mamma	A	miR-22		0.983911			54	0.716207	10	-1.321928		-0.605721	
ry gland	L	84n	-	273	-	Positive	3	034	7	095	0.1	061	
							0.8		0.1		0.0		
Mamma	A	miR-22	0.84918	0.829965			89	0.064851	39	-0.568283	11	-0.503432	
ry gland	L	84w	4661	361	-	Positive	3	144	9	76	6	615	
							0.1		0.2		0.1		
Mamma	A	miR-22	0.90651	0.915377			22	-0.888042	03	0.656290	36	-0.231751	
ry gland	L	84x	2288	525	-	Positive	3	166	7	539	9	627	
Mamma	A	miR-22		0.814563			0.1	-0.699295	0.6	0.164781	0.0	-0.534513	
ry gland	L	84y	-	556	-	Positive	56	176	73	698	09	478	

							6	6	6			
							0.4	0.7	0.5			
Mamma	A	miR-23	0.89006				94	-0.637429	56	0.222392	54	-0.415037
ry gland	L	13-3p	282	-	-	Positive	8	921	4	421	6	499
							0.2	0.5	0.0			
Mamma	A	miR-23	0.927052				84	-1.520832	06	0.722466	49	-0.798366
ry gland	L	32	-	826	-	Positive	9	163	1	024	6	139
							0.1	0.2	0.0			
Mamma	A	miR-23	0.827939				02	-1.547487	78	0.788495	68	-0.758991
ry gland	L	39	-	239	-	Positive	5	795	2	895	3	9
									0.3		0.1	
Mamma	A		0.902499				0.1	-0.348422	35	0.174909	65	-0.173513
ry gland	L	miR-25	-	792	-	Positive	19	999	6	437	5	562
							0.0	0.0	0.0			
Mamma	A	miR-27	0.921262				19	0.423176	00	-0.690582	25	-0.267406
ry gland	L	b	-	387	-	Positive	1	047	1	722	4	675
							0.1	0.3	0.0			
Mamma	A	miR-29	0.87217				42	-1.006426	92	0.465053	26	-0.541373
ry gland	L	6	731	-	-	Positive	4	269	9	037	4	232
							0.5	0.0	0.1			
Mamma	A		0.93494				82	0.293692	20	-0.813302	49	-0.519610
ry gland	L	miR-31	2573	-	-	Positive	5	678	2	897	7	219
							0.4	0.6	0.0			
Mamma	A	miR-32	0.837440				59	-0.351069	77	-0.155479	18	-0.506548
ry gland	L	0a	-	709	-	Positive	2	768	5	138	6	906
							0.3	0.2	0.0			
Mamma	A	miR-32	0.948885				06	-0.430634	16	-0.358686	05	-0.789320
ry gland	L	8	-	107	-	Positive	2	354	3	645	2	999

ry gland	L	20			227			98	398	14	421	99	977
								1		1		3	
								0.2		0.6		0.0	
Mamma	A	miR-74	0.87217					41	-0.703606	47	-0.195015	32	-0.898622
ry gland	L	4	6912	-	-	Positive		9	997	2	982	3	98
								0.4		0.6		0.1	
Mamma	A	miR-76		0.925622				80	-0.177573	22	-0.105127	54	-0.282701
ry gland	L	9	-	888	-	Positive		8	917	3	522	2	439
								0.3		0.0		0.1	
Mamma	A	miR-92	0.87103	0.819980				00	0.250512	03	-0.593486	22	-0.342974
ry gland	L	b	7404	196	-	Positive		3	486	7	573	7	087
								0.6		0.5		0.0	
Mamma	A		0.95375	0.850683				15	-0.353636	88	-0.309328	62	-0.662965
ry gland	L	miR-95	7175	187	-	Positive		8	955	1	058	9	013
								0.3		0.4		0.8	
Mamma	A	miR-9-	0.91183	0.839179				95	-0.826668	29	0.721698	49	-0.104969
ry gland	L	5p	9926	592	-	Positive		4	397	9	838	3	56
								0.6		0.8		0.2	
Mamma	A	miR-99		0.865219				56	-0.164786	13	-0.070328	68	-0.235114
ry gland	L	a-3p	-	426	-	Positive		7	278	9	042	8	32
										0.2		0.0	
Mamma	R	miR-12		-0.821070				0.9	-0.019658	72	0.584484	14	0.564825
ry gland	S	7	-	122	-	Negative		64	431	7	329	5	899
								0.2				0.4	
Mamma	R	miR-12		-0.849925				17	-1.165490	0.1	1.764469	40	0.598979
ry gland	S	71	-	525	-	Negative		3	03	06	109	5	079
Mamma	R	miR-14		-0.853224				0.6	-0.193217	0.1	0.591910	0.2	0.398693
ry gland	S	8b	-	048	-	Negative		32	323	12	797	51	474

							2		1		8	
									0.0		0.0	
Mamma	R	miR-15	-0.8560				0.2	0.334938	00	-1.032309	01	-0.697370
ry gland	S	b	55826	-	-	Negative	56	96	4	766	2	806
							0.5		0.1		0.3	
Mamma	R	miR-18	-0.810880				98	-0.578125	73	1.715305	60	1.137180
ry gland	S	3	-	756	-	Negative	9	071	3	519	2	448
							0.4		0.4		0.9	
Mamma	R	miR-18	-0.838470				70	0.357956	52	-0.364411	91	-0.006455
ry gland	S	a	-	924	-	Negative	1	404	6	426	4	022
									0.5		0.3	
Mamma	R	miR-19	-0.913615				0.8	0.074002	99	0.272778	06	0.346780
ry gland	S	1	-	749	-	Negative	92	561	2	268	8	828
									0.1		0.5	
Mamma	R	miR-19	-0.9303	-0.969122			0.0	0.223469	88	-0.159565	61	0.063904
ry gland	S	2	53353	217	-	Negative	98	962	2	951	2	012
							0.6		0.2		0.5	
Mamma	R	miR-21	-0.934168				87	-0.285043	05	0.714155	73	0.429112
ry gland	S	-3p	-	356	-	Negative	3	027	7	711	2	684
							0.3		0.2		0.3	
Mamma	R	miR-22	-0.874544				70	-0.363470	47	0.529348	63	0.165878
ry gland	S	85k	-	796	-	Negative	2	357	2	526	8	168
							0.4		0.7		0.5	
Mamma	R	miR-23	-0.859431				94	-0.637429	56	0.222392	54	-0.415037
ry gland	S	13-3p	-	057	-	Negative	8	921	4	421	6	499
							0.1		0.0		0.0	
Mamma	R	miR-29	-0.8426	-0.841986			51	0.876425	00	-1.465292	94	-0.588866
ry gland	S	d	76149	008	-	Negative	8	315	4	27	6	955

Mamma	R	miR-41	-0.9005	-0.831536			0.2		0.7		0.1			
ry gland	S	1c-3p	32844	311	-	Negative	79	0.757143	94	0.149747	56	0.906890		
							7	476	7	12	8	596		
Mamma	R	miR-44	-0.8835				0.2		0.3					
ry gland	S	9a	65605	-	-	Negative	27	-0.369233	20	0.369233	0.9			
							4	81	4	81	38	0		
Mamma	R	miR-87		-0.816597			0.9		0.7		0.1			
ry gland	S	4	-	489	-	Negative	87	-0.008878	22	0.209176	14	0.200298		
							3	151	4	802	4	65		
Mamma	R			-0.893378			0.0							
ry gland	S	miR-96	-	412	-	Negative	86	0.878364	0.0	-1.409327	0.0	-0.530963	Mammary	
							6	348	01	839	79	49	Gland(Up)	
Mamma	R	miR-99		-0.929175			0.8		0.5					
ry gland	S	a-5p	-	073	-	Negative	51	-0.132228	45	0.437150	0.5	0.304921	Mammary	
							4	905	9	101	5	196	Gland(Up)	
Mamma	C		-0.8145	-0.828583					0.1		0.0			
ry gland	S	let-7b	85517	347	-	Negative	0.8	-0.061446	13	-0.420345	33	-0.481792		
							6	624	7	663	4	287		
Mamma	C			-0.851422			0.3		0.9		0.0			
ry gland	S	let-7c	-	284	-	Negative	28	-0.481822	72	0.013234	35	-0.468587	Mammary	
							3	244	5	807	8	437	Gland(Up)	
Mamma	C	miR-12	-0.9745				0.9				0.7			
ry gland	S	98	00864	-	-	Negative	98		0.8	0.383328	65	0.383328	Mammary	
							2	0	02	64	4	64	gland(Specifi	c)
Mamma	C	miR-13	-0.8501				0.8		0.3		0.3			
ry gland	S	2	09916	-	-	Negative	01	0.107484	72	-0.364340	44	-0.256855		
							8	427	9	258	1	831		
Mamma	C	miR-14	-0.8699	-	-	Negative	0.3	-0.281598	0.9	-0.018264	0.1	-0.299862		

ry gland	S	0	21215				70	156	44	234	92	39
							9		6		5	
							0.5				0.0	
Mamma	C	miR-14	-0.8586				50	-0.394717	0.2	-0.600229	21	-0.994946
ry gland	S	9-5p	95374	-	-	Negative	2	515	31	257	5	772
							0.8		0.0		0.0	
Mamma	C	miR-18	-0.8273				94	0.048363	21	-0.769387	21	-0.721024
ry gland	S	8	55142	-	-	Negative	8	022	3	072	2	05
							0.7		0.8		0.7	
Mamma	C	miR-19	-0.8272				48	-0.201047	79	0.072149	46	-0.128897
ry gland	S	3a-5p	22944	-	-	Negative	2	519	7	786	6	733
							0.4		0.0		0.2	
Mamma	C	miR-19	-0.8455				22	0.393622	76	-0.755496	27	-0.361873
ry gland	S	9c	47182	-	-	Negative	8	911	6	877	7	966
							0.4		0.5			
Mamma	C	miR-37	-0.8393				92	-0.304334	48	-0.190430	0.0	-0.494764
ry gland	S	8c	37869	-	-	Negative	2	035	8	657	54	692
							0.3		0.3		0.8	
Mamma	C	miR-38	-0.8598				81	-1.425305	92	1.384663	64	-0.040641
ry gland	S	2	98807	-	-	Negative	2	835	7	85	4	984
							0.1		0.3		0.4	
Mamma	C	miR-42	-0.8463				69	0.703256	79	-0.468188	04	0.235067
ry gland	S	4-5p	97003	-	-	Negative	8	233	9	978	5	254
							0.3				0.9	
Mamma	C	miR-43	-0.8363				86	-0.459431	0.3	0.459431	98	
ry gland	S	2	74536	-	-	Negative	8	619	67	619	2	0
Mamma	C	miR-45	-0.9564				0.0	0.972920	0.0	-1.069821	0.7	-0.096900
ry gland	S	0a	37415	-	-	Negative	75	466	30	449	80	984

							5		3		4	
							0.2		0.0		0.5	
Mamma	C	miR-45	-0.9443				56	0.576042	85	-0.733678	76	-0.157636
ry gland	S	0b	65241	-	-	Negative	8	122	7	335	6	213
							0.6				0.3	
Mamma	C	miR-45	-0.8831				58	0.229481	0.2	-0.559871	59	-0.330389
ry gland	S	5-3p	39774	-	-	Negative	9	846	61	52	1	674
											0.3	Mammary Gland(Down)
Mamma	C	miR-48	-0.9875				0.8	0.169925	0.1	-0.700439	03	-0.530514
ry gland	S	3	76005	-	-	Negative	74	001	94	718	9	717
							0.0				0.1	
Mamma	C	miR-58	-0.8527				50	0.839535	0.0	-1.306661	39	-0.467126
ry gland	S	2	1451	-	-	Negative	9	328	05	338	6	01
							0.3		0.5		0.8	
Mamma	C	miR-65	-0.8284				43	0.584962	59	-0.485426	00	0.099535
ry gland	S	31	98744	-	-	Negative	7	501	9	827	1	674
							0.1		0.1		0.8	
Mamma	C	miR-65	-0.8576				75	0.812914	72	-0.709409	02	0.103504
ry gland	S	5	16788	-	-	Negative	8	447	4	872	5	576
							0.5		0.5		0.1	
Mamma	C	miR-76	-0.8983				50	-0.398549	37	-0.311944	26	-0.710493
ry gland	S	0-3p	80811	-	-	Negative	7	376	4	006	3	383
							0.9		0.0		0.0	
Mamma	C	miR-88	-0.8857				91	0.007455	54	-0.823988	48	-0.816532
ry gland	S	5	21659	-	-	Negative	8	805	8	656	9	851
							0.7		0.0		0.0	
Mamma	A	miR-10		-0.852843			56	-0.127953	10	1.000285	84	0.872332
ry gland	L	b			8	Negative	5	009	7	677	5	668
												Mammary Gland(Up)

Mamma	A	miR-12		-0.837195			0.2				0.4		
ry gland	L	71	-	801	-	Negative	17	-1.165490	0.1	1.764469	40	0.598979	
							3	03	06	109	5	079	
							0.1		0.0		0.2		
Mamma	A	miR-14		-0.884138			11	-1.247750	57	1.780410	62	0.532659	
ry gland	L	6b	-	619	-	Negative	3	918	2	768	4	85	
							0.8		0.5				
Mamma	A	miR-99		-0.870173			51	-0.132228	45	0.437150	0.5	0.304921	Mammary
ry gland	L	a-5p	-	156	-	Negative	4	905	9	101	5	196	Gland(Up)
							0.4		0.5		0.7		
Mamma	A	miR-99	-0.8512	-0.923209			25	-0.538375	24	0.426524	47	-0.111850	
ry gland	L	b	84443	297	-	Negative	4	624	8	989	1	636	

Table S8. Amino acids related functions targeted by microRNAs associated with feed efficiency, nitrogen efficiency or milk urea nitrogen content in rumen, duodenum, jejunum, liver and mammary gland.

Amino acids related functions					
Tissue	Diet	Correlation	Function	FDR	number of miRNA
Rumen	Alfalfa hay	Positive	transport of amino acids	1.53E-04	13
Rumen	Alfalfa hay	Positive	metabolism of amino acids	5.15E-03	13
Rumen	Alfalfa hay	Negative	release of L-amino acid	4.51E-04	13
Rumen	Rice straw	Negative	phosphorylation of L-amino acid	2.72E-06	18
Rumen	Rice straw	Negative	transport of amino acids	8.01E-06	13
Rumen	Rice straw	Negative	release of amino acids	5.01E-05	17
Duodenum	Alfalfa hay	Positive	transport of amino acids	4.30E-02	12
Duodenum	Alfalfa hay	Negative	phosphorylation of L-amino acid	3.93E-09	68
Duodenum	Alfalfa hay	Negative	release of L-amino acid	8.89E-06	58
Duodenum	Corn stover	Positive	release of amino acids	9.01E-05	32
Duodenum	Corn stover	Negative	transport of amino acids	4.15E-05	22
Duodenum	Corn stover	Negative	phosphorylation of L-amino acid	5.30E-05	30
Duodenum	Corn stover	Negative	abnormal quantity of amino acids	2.55E-04	26
Jejunum	Alfalfa hay	Positive	transport of alpha-amino acid	2.45E-04	17
Jejunum	Alfalfa hay	Negative	phosphorylation of L-amino acid	5.45E-04	20
Jejunum	Alfalfa hay	Negative	transport of amino acids	7.96E-04	20
Jejunum	Corn stover	Positive	phosphorylation of L-amino acid	4.11E-04	17
Jejunum	Rice straw	Positive	phosphorylation of L-amino acid	8.20E-07	14

Jejunum	Rice straw	Positive	transport of amino acids	1.59E-05	15
Jejunum	Rice straw	Negative	transport of amino acids	1.36E-03	6
Liver	Alfalfa hay	Positive	phosphorylation of amino acids	2.36E-06	14
Liver	Alfalfa hay	Negative	phosphorylation of L-amino acid	2.62E-05	13
Liver	Corn stover	Positive	phosphorylation of L-amino acid	3.45E-06	36
Liver	Rice straw	Negative	phosphorylation of L-amino acid	2.26E-06	29
Mammary	Alfalfa hay	Positive	phosphorylation of amino acids	1.83E-08	44
Mammary	Alfalfa hay	Negative	transport of amino acids	9.23E-03	10
Mammary	Corn stover	Positive	phosphorylation of L-amino acid	7.76E-04	13
Mammary	Corn stover	Positive	release of amino acids	2.74E-03	14
Mammary	Corn stover	Negative	phosphorylation of L-amino acid	3.93E-08	49
Mammary	Rice straw	Negative	phosphorylation of L-amino acid	2.66E-06	31
Mammary	Rice straw	Negative	transport of amino acids	3.91E-04	28

All the Functions

Tissue	Diet	Correlation	Diseases or Functions Annotation	p-Value	# Molecules
Rumen	Alfalfa hay	Positive	organismal death	3.95E-22	643
Rumen	Alfalfa hay	Positive	morbidity or mortality	1.15E-21	647
Rumen	Alfalfa hay	Positive	cancer	1.51E-18	2319
Rumen	Alfalfa hay	Positive	proliferation of cells	4.61E-18	900
Rumen	Alfalfa hay	Positive	malignant solid tumor	7.81E-18	2290
Rumen	Alfalfa hay	Positive	cell death	4.53E-17	819
Rumen	Alfalfa hay	Positive	morphology of cells	5.03E-16	513
Rumen	Alfalfa	Positive	transport of molecule	8.27E-16	437

	hay				
	Alfalfa				
Rumen	hay	Positive	necrosis	1.48E-14	642
	Alfalfa				
Rumen	hay	Positive	apoptosis	6.68E-13	648
	Alfalfa				
Rumen	hay	Positive	quantity of cells	1.96E-10	446
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of cells	1.51E-09	330
	Alfalfa				
Rumen	hay	Positive	quantity of leukocytes	1.73E-09	250
	Alfalfa				
Rumen	hay	Positive	cell death of connective tissue cells	1.74E-09	175
	Alfalfa				
Rumen	hay	Positive	epithelial cancer	2.12E-09	1867
	Alfalfa				
Rumen	hay	Positive	transcription	2.72E-09	488
	Alfalfa				
Rumen	hay	Positive	expression of RNA	3.17E-09	520
	Alfalfa				
Rumen	hay	Positive	tumorigenesis of tissue	4.81E-09	1909
	Alfalfa				
Rumen	hay	Positive	neoplasia of epithelial tissue	4.81E-09	1880
	Alfalfa				
Rumen	hay	Positive	quantity of blood cells	4.81E-09	273
	Alfalfa				
Rumen	hay	Positive	development of body trunk	5.21E-09	293
	Alfalfa				
Rumen	hay	Positive	organization of cytoplasm	5.63E-09	385
	Alfalfa				
Rumen	hay	Positive	cellular homeostasis	7.29E-09	382
	Alfalfa				
Rumen	hay	Positive	concentration of lipid	1.12E-08	221
	Alfalfa				
Rumen	hay	Positive	cell movement	1.36E-08	511
	Alfalfa				
Rumen	hay	Positive	perinatal death	2.36E-08	168
	Alfalfa				
Rumen	hay	Positive	Movement Disorders	2.90E-08	276
	Alfalfa				
Rumen	hay	Positive	digestive system cancer	5.13E-08	1604
	Alfalfa				
Rumen	hay	Positive	digestive organ tumor	5.13E-08	1618
Rumen	Alfalfa	Positive	organization of cytoskeleton	5.28E-08	349

	hay				
	Alfalfa				
Rumen	hay	Positive	Growth Failure	7.03E-08	167
	Alfalfa				
Rumen	hay	Positive	transcription of RNA	8.10E-08	448
	Alfalfa				
Rumen	hay	Positive	abdominal neoplasm	1.17E-07	1854
	Alfalfa				
Rumen	hay	Positive	synthesis of lipid	1.56E-07	193
	Alfalfa				
Rumen	hay	Positive	vasculogenesis	1.74E-07	198
	Alfalfa				
Rumen	hay	Positive	development of lymphatic system	1.93E-07	106
	Alfalfa				
Rumen	hay	Positive	abdominal cancer	2.97E-07	1830
	Alfalfa				
Rumen	hay	Positive	Organ Degeneration	2.97E-07	139
	Alfalfa				
Rumen	hay	Positive	development of blood cells	3.11E-07	177
	Alfalfa				
Rumen	hay	Positive	morphology of cardiovascular system	3.39E-07	169
	Alfalfa				
Rumen	hay	Positive	migration of cells	3.55E-07	453
	Alfalfa				
Rumen	hay	Positive	quantity of mononuclear leukocytes	3.57E-07	196
	Alfalfa				
Rumen	hay	Positive	uptake of monosaccharide	3.57E-07	83
	Alfalfa				
Rumen	hay	Positive	microtubule dynamics	3.99E-07	297
	Alfalfa				
Rumen	hay	Positive	differentiation of cells	4.03E-07	526
	Alfalfa				
Rumen	hay	Positive	development of leukocytes	4.31E-07	161
	Alfalfa				
Rumen	hay	Positive	size of body	4.56E-07	222
	Alfalfa				
Rumen	hay	Positive	uptake of carbohydrate	4.66E-07	88
	Alfalfa				
Rumen	hay	Positive	autosomal recessive disease	7.39E-07	237
	Alfalfa				
Rumen	hay	Positive	development of lymphatic system component	7.39E-07	92
	Alfalfa				
Rumen	hay	Positive	cell movement of tumor cell lines	7.48E-07	221
Rumen	Alfalfa	Positive	cell death of fibroblast cell lines	7.65E-07	121

	hay				
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of thoracic cavity	9.04E-07	159
	Alfalfa				
Rumen	hay	Positive	cell survival	9.96E-07	340
	Alfalfa				
Rumen	hay	Positive	formation of cytoskeleton	1.02E-06	108
	Alfalfa				
Rumen	hay	Positive	quantity of lymphocytes	1.02E-06	187
	Alfalfa				
Rumen	hay	Positive	formation of lymphatic system component	1.20E-06	87
	Alfalfa				
Rumen	hay	Positive	cell death of tumor cell lines	1.23E-06	368
	Alfalfa				
Rumen	hay	Positive	development of vasculature	1.25E-06	118
	Alfalfa				
Rumen	hay	Positive	organization of organelle	1.26E-06	147
	Alfalfa				
Rumen	hay	Positive	cell viability	1.26E-06	319
	Alfalfa				
Rumen	hay	Positive	development of cytoplasm	1.69E-06	128
	Alfalfa				
Rumen	hay	Positive	morphology of bone	1.75E-06	125
	Alfalfa				
Rumen	hay	Positive	uptake of D-hexose	1.91E-06	69
	Alfalfa				
Rumen	hay	Positive	angiogenesis	1.99E-06	231
	Alfalfa				
Rumen	hay	Positive	formation of cells	2.07E-06	248
	Alfalfa				
Rumen	hay	Positive	dyskinesia	2.38E-06	164
	Alfalfa				
Rumen	hay	Positive	neuromuscular disease	2.55E-06	225
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of bone	2.55E-06	121
	Alfalfa				
Rumen	hay	Positive	uptake of D-glucose	2.55E-06	68
	Alfalfa				
Rumen	hay	Positive	development of connective tissue	2.80E-06	105
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of cardiovascular system	2.83E-06	152
	Alfalfa				
Rumen	hay	Positive	growth of organism	2.86E-06	214
Rumen	Alfalfa	Positive	neurological signs	3.76E-06	171

	hay				
	Alfalfa				
Rumen	hay	Positive	Huntington's Disease	3.94E-06	153
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of head	4.87E-06	212
	Alfalfa				
Rumen	hay	Positive	formation of lymphoid organ	5.08E-06	78
	Alfalfa				
Rumen	hay	Positive	neonatal death	6.65E-06	120
	Alfalfa				
Rumen	hay	Positive	development of lymphocytes	6.65E-06	147
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of epithelial tissue	6.65E-06	115
	Alfalfa				
Rumen	hay	Positive	fatty acid metabolism	6.65E-06	158
	Alfalfa				
Rumen	hay	Positive	epilepsy	7.35E-06	88
	Alfalfa				
Rumen	hay	Positive	epileptic seizure	8.72E-06	53
	Alfalfa				
Rumen	hay	Positive	neuronal cell death	9.18E-06	176
	Alfalfa				
Rumen	hay	Positive	Lymphocyte homeostasis	1.10E-05	144
	Alfalfa				
Rumen	hay	Positive	transcription of DNA	1.10E-05	363
	Alfalfa				
Rumen	hay	Positive	T cell development	1.10E-05	134
	Alfalfa				
Rumen	hay	Positive	disorder of basal ganglia	1.13E-05	195
	Alfalfa				
Rumen	hay	Positive	proliferation of blood cells	1.16E-05	212
	Alfalfa				
Rumen	hay	Positive	homeostasis of leukocytes	1.23E-05	146
	Alfalfa				
Rumen	hay	Positive	degeneration of cells	1.23E-05	96
	Alfalfa				
Rumen	hay	Positive	accumulation of lipid	1.23E-05	85
	Alfalfa				
Rumen	hay	Positive	degeneration of nervous system	1.33E-05	82
	Alfalfa				
Rumen	hay	Positive	quantity of phagocytes	1.34E-05	115
	Alfalfa				
Rumen	hay	Positive	morphology of body cavity	1.36E-05	289
Rumen	Alfalfa	Positive	morphology of head	1.36E-05	219

	hay				
	Alfalfa				
Rumen	hay	Positive	formation of actin filaments	1.59E-05	86
	Alfalfa				
Rumen	hay	Positive	apoptosis of tumor cell lines	1.60E-05	292
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of body cavity	1.64E-05	277
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of skull	1.76E-05	65
	Alfalfa				
Rumen	hay	Positive	function of leukocytes	1.78E-05	141
	Alfalfa				
Rumen	hay	Positive	proliferation of neuronal cells	1.79E-05	150
	Alfalfa				
Rumen	hay	Positive	T cell homeostasis	1.79E-05	136
	Alfalfa				
Rumen	hay	Positive	differentiation of connective tissue	2.02E-05	185
	Alfalfa				
Rumen	hay	Positive	Viral Infection	2.03E-05	377
	Alfalfa				
Rumen	hay	Positive	proliferation of immune cells	2.07E-05	199
	Alfalfa				
Rumen	hay	Positive	transport of alpha-amino acid	2.15E-05	27
	Alfalfa				
Rumen	hay	Positive	migration of blood cells	2.22E-05	217
	Alfalfa				
Rumen	hay	Positive	apoptosis of fibroblast cell lines	2.27E-05	91
	Alfalfa				
Rumen	hay	Positive	leukocyte migration	2.94E-05	216
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of abdomen	3.03E-05	217
	Alfalfa				
Rumen	hay	Positive	seizure disorder	3.27E-05	124
	Alfalfa				
Rumen	hay	Positive	concentration of phospholipid	3.91E-05	55
	Alfalfa				
Rumen	hay	Positive	apoptosis of epithelial cell lines	3.91E-05	65
	Alfalfa				
Rumen	hay	Positive	ubiquitination of protein	3.91E-05	91
	Alfalfa				
Rumen	hay	Positive	morphology of vessel	3.98E-05	85
	Alfalfa				
Rumen	hay	Positive	proliferation of connective tissue cells	4.21E-05	152
Rumen	Alfalfa	Positive	ubiquitination	4.41E-05	92

	hay				
	Alfalfa				
Rumen	hay	Positive	cell death of cervical cancer cell lines	5.29E-05	95
	Alfalfa				
Rumen	hay	Positive	proliferation of tumor cell lines	5.46E-05	360
	Alfalfa				
Rumen	hay	Positive	Neurodegeneration	5.46E-05	85
	Alfalfa				
Rumen	hay	Positive	quantity of reactive oxygen species	5.46E-05	53
	Alfalfa				
Rumen	hay	Positive	formation of filaments	5.46E-05	106
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of reproductive system	5.46E-05	132
	Alfalfa				
Rumen	hay	Positive	quantity of T lymphocytes	5.59E-05	138
	Alfalfa				
Rumen	hay	Positive	cell death of epithelial cells	6.00E-05	129
	Alfalfa				
Rumen	hay	Positive	fibrogenesis	6.00E-05	109
	Alfalfa				
Rumen	hay	Positive	degeneration of neurons	6.00E-05	68
	Alfalfa				
Rumen	hay	Positive	transport of inorganic cation	6.10E-05	95
	Alfalfa				
Rumen	hay	Positive	transport of carbohydrate	6.15E-05	57
	Alfalfa				
Rumen	hay	Positive	necrosis of epithelial tissue	6.34E-05	150
	Alfalfa				
Rumen	hay	Positive	Edema	6.38E-05	93
	Alfalfa				
Rumen	hay	Positive	formation of actin stress fibers	6.65E-05	68
	Alfalfa				
Rumen	hay	Positive	activation of cells	6.78E-05	237
	Alfalfa				
Rumen	hay	Positive	protein kinase cascade	7.00E-05	111
	Alfalfa				
Rumen	hay	Positive	morphology of respiratory system	7.01E-05	85
	Alfalfa				
Rumen	hay	Positive	differentiation of connective tissue cells	7.22E-05	162
	Alfalfa				
Rumen	hay	Positive	metabolism of carbohydrate	7.32E-05	157
	Alfalfa				
Rumen	hay	Positive	transport of metal	7.92E-05	90
Rumen	Alfalfa	Positive	transactivation	7.94E-05	147

	hay				
	Alfalfa				
Rumen	hay	Positive	morphology of heart	8.02E-05	107
	Alfalfa				
Rumen	hay	Positive	growth of connective tissue	8.12E-05	162
	Alfalfa				
Rumen	hay	Positive	cellular degradation	8.62E-05	71
	Alfalfa				
Rumen	hay	Positive	concentration of fatty acid	8.97E-05	77
	Alfalfa				
Rumen	hay	Positive	development of abdomen	9.01E-05	147
	Alfalfa				
Rumen	hay	Positive	transport of cation	9.41E-05	106
	Alfalfa				
Rumen	hay	Positive	quantity of connective tissue	1.03E-04	152
	Alfalfa				
Rumen	hay	Positive	cell movement of leukocytes	1.03E-04	189
	Alfalfa				
Rumen	hay	Positive	generation of reactive oxygen species	1.06E-04	59
	Alfalfa				
Rumen	hay	Positive	cell spreading	1.06E-04	76
	Alfalfa				
Rumen	hay	Positive	oral squamous cell carcinoma	1.08E-04	52
	Alfalfa				
Rumen	hay	Positive	transport of metal ion	1.15E-04	86
	Alfalfa				
Rumen	hay	Positive	function of blood cells	1.15E-04	148
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of respiratory system	1.18E-04	83
	Alfalfa				
Rumen	hay	Positive	morphology of reproductive system	1.28E-04	136
	Alfalfa				
Rumen	hay	Positive	activation of blood cells	1.29E-04	184
	Alfalfa				
Rumen	hay	Positive	cell death of breast cancer cell lines	1.34E-04	89
	Alfalfa				
Rumen	hay	Positive	cell death of epithelial cell lines	1.34E-04	77
	Alfalfa				
Rumen	hay	Positive	quantity of steroid	1.35E-04	120
	Alfalfa				
Rumen	hay	Positive	differentiation of leukocytes	1.35E-04	167
	Alfalfa				
Rumen	hay	Positive	transport of ion	1.35E-04	129
Rumen	Alfalfa	Positive	proliferation of fibroblast cell lines	1.39E-04	110

	hay				
	Alfalfa				
Rumen	hay	Positive	differentiation of mononuclear leukocytes	1.41E-04	137
	Alfalfa				
Rumen	hay	Positive	formation of cellular protrusions	1.45E-04	218
	Alfalfa				
Rumen	hay	Positive	differentiation of lymphocytes	1.46E-04	127
	Alfalfa				
Rumen	hay	Positive	accumulation of steroid	1.52E-04	28
	Alfalfa				
Rumen	hay	Positive	transport of amino acids	1.53E-04	41
	Alfalfa				
Rumen	hay	Positive	seizures	1.62E-04	104
	Alfalfa				
Rumen	hay	Positive	transport of monosaccharide	1.64E-04	47
	Alfalfa				
Rumen	hay	Positive	apoptosis of kidney cell lines	1.80E-04	66
	Alfalfa				
Rumen	hay	Positive	proliferation of ovarian cancer cell lines	1.82E-04	41
	Alfalfa				
Rumen	hay	Positive	quantity of antigen presenting cells	1.86E-04	75
	Alfalfa				
Rumen	hay	Positive	demyelination of central nervous system	1.91E-04	18
	Alfalfa				
Rumen	hay	Positive	morphology of endothelial tissue	1.91E-04	28
	Alfalfa				
Rumen	hay	Positive	HIV infection	1.91E-04	175
	Alfalfa				
Rumen	hay	Positive	chronic myeloid leukemia	1.92E-04	34
	Alfalfa				
Rumen	hay	Positive	cell movement of myeloid cells	1.98E-04	136
	Alfalfa				
Rumen	hay	Positive	homing of cells	1.99E-04	140
	Alfalfa				
Rumen	hay	Positive	abnormal quantity of lipid	2.01E-04	44
	Alfalfa				
Rumen	hay	Positive	morphology of digestive system	2.01E-04	143
	Alfalfa				
Rumen	hay	Positive	morphology of cardiovascular tissue	2.08E-04	29
	Alfalfa				
Rumen	hay	Positive	proliferation of lymphocytes	2.08E-04	178
	Alfalfa				
Rumen	hay	Positive	synthesis of reactive oxygen species	2.14E-04	122
Rumen	Alfalfa	Positive	synthesis of fatty acid	2.18E-04	83

	hay				
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of body wall	2.18E-04	33
	Alfalfa				
Rumen	hay	Positive	depolarization of mitochondrial membrane	2.25E-04	14
	Alfalfa				
Rumen	hay	Positive	morphology of blood vessel	2.25E-04	76
	Alfalfa				
Rumen	hay	Positive	infection by Retroviridae	2.27E-04	176
	Alfalfa				
Rumen	hay	Positive	apoptosis of embryonic cell lines	2.28E-04	52
	Alfalfa				
Rumen	hay	Positive	morphology of genital organ	2.28E-04	109
	Alfalfa				
Rumen	hay	Positive	mass of organism	2.31E-04	88
	Alfalfa				
Rumen	hay	Positive	transport of L-amino acid	2.31E-04	23
	Alfalfa				
Rumen	hay	Positive	demyelination	2.37E-04	37
	Alfalfa				
Rumen	hay	Positive	transport of sterol	2.39E-04	39
	Alfalfa				
Rumen	hay	Positive	proliferation of mononuclear leukocytes	2.40E-04	180
	Alfalfa				
Rumen	hay	Positive	binding of DNA	2.47E-04	131
	Alfalfa				
Rumen	hay	Positive	apoptosis of breast cancer cell lines	2.47E-04	77
	Alfalfa				
Rumen	hay	Positive	depolarization of cellular membrane	2.55E-04	27
	Alfalfa				
Rumen	hay	Positive	metabolism of reactive oxygen species	2.62E-04	126
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of digestive system	2.82E-04	136
	Alfalfa				
Rumen	hay	Positive	oral cavity carcinoma	2.85E-04	55
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of heart	2.88E-04	99
	Alfalfa				
Rumen	hay	Positive	cellular infiltration by leukocytes	2.88E-04	100
	Alfalfa				
Rumen	hay	Positive	concentration of sterol	2.95E-04	81
	Alfalfa				
Rumen	hay	Positive	interphase	3.08E-04	161
Rumen	Alfalfa	Positive	growth of neurites	3.08E-04	117

	hay				
	Alfalfa				
Rumen	hay	Positive	quantity of IgM	3.21E-04	41
	Alfalfa				
Rumen	hay	Positive	targeting of protein	3.29E-04	39
	Alfalfa				
Rumen	hay	Positive	urination disorder	3.29E-04	77
	Alfalfa				
Rumen	hay	Positive	migration of tumor cell lines	3.39E-04	172
	Alfalfa				
Rumen	hay	Positive	behavior	3.43E-04	234
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of rib	3.52E-04	24
	Alfalfa				
Rumen	hay	Positive	secretory pathway	3.60E-04	55
	Alfalfa				
Rumen	hay	Positive	concentration of cholesterol	3.60E-04	77
	Alfalfa				
Rumen	hay	Positive	growth of embryo	3.67E-04	120
	Alfalfa				
Rumen	hay	Positive	activation of leukocytes	3.70E-04	170
	Alfalfa				
Rumen	hay	Positive	oral cancer	3.70E-04	62
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of rib cage	3.70E-04	29
	Alfalfa				
Rumen	hay	Positive	cell cycle progression	3.80E-04	246
	Alfalfa				
Rumen	hay	Positive	transport of carboxylic acid	3.81E-04	36
	Alfalfa				
Rumen	hay	Positive	quantity of lymphatic system component	3.87E-04	97
	Alfalfa				
Rumen	hay	Positive	dysgenesis	3.89E-04	134
	Alfalfa				
Rumen	hay	Positive	metabolism of protein	3.92E-04	230
	Alfalfa				
Rumen	hay	Positive	morphology of rib	3.92E-04	25
	Alfalfa				
Rumen	hay	Positive	proliferation of embryonic cells	4.00E-04	67
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of genital organ	4.08E-04	104
	Alfalfa				
Rumen	hay	Positive	transport of D-glucose	4.10E-04	42
Rumen	Alfalfa	Positive	colony formation of cells	4.24E-04	123

	hay				
	Alfalfa				
Rumen	hay	Positive	attachment of cells	4.28E-04	40
	Alfalfa				
Rumen	hay	Positive	colony formation	4.46E-04	133
	Alfalfa				
Rumen	hay	Positive	transport of glutamine family amino acid	4.64E-04	20
	Alfalfa				
Rumen	hay	Positive	cartilage development	4.78E-04	42
	Alfalfa				
Rumen	hay	Positive	binding of lymphatic system cells	4.97E-04	12
	Alfalfa				
Rumen	hay	Positive	cytopenia	5.23E-04	78
	Alfalfa				
Rumen	hay	Positive	quantity of B lymphocytes	5.27E-04	89
	Alfalfa				
Rumen	hay	Positive	morphology of vesicles	5.28E-04	14
	Alfalfa				
Rumen	hay	Positive	invasion of tissue	5.33E-04	54
	Alfalfa				
Rumen	hay	Positive	autosomal dominant disease	5.76E-04	155
	Alfalfa				
Rumen	hay	Positive	apoptosis of cervical cancer cell lines	5.90E-04	74
	Alfalfa				
Rumen	hay	Positive	transport of cholesterol	6.23E-04	37
	Alfalfa				
Rumen	hay	Positive	Hypoplasia	6.23E-04	125
	Alfalfa				
Rumen	hay	Positive	morphology of connective tissue	6.23E-04	115
	Alfalfa				
Rumen	hay	Positive	long-term potentiation	6.27E-04	65
	Alfalfa				
Rumen	hay	Positive	quantity of thymocytes	6.27E-04	62
	Alfalfa				
Rumen	hay	Positive	quantity of carbohydrate	6.27E-04	128
	Alfalfa				
Rumen	hay	Positive	morphology of axial skeleton	6.31E-04	55
	Alfalfa				
Rumen	hay	Positive	mitosis	6.31E-04	123
	Alfalfa				
Rumen	hay	Positive	synthesis of testosterone	6.44E-04	19
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of blood vessel	6.44E-04	70
Rumen	Alfalfa	Positive	transport of L-glutamic acid	6.62E-04	13

	hay				
	Alfalfa				
Rumen	hay	Positive	development of cardiovascular tissue	6.63E-04	94
	Alfalfa				
Rumen	hay	Positive	infection of cells	6.69E-04	190
	Alfalfa				
Rumen	hay	Positive	retinal degeneration	6.72E-04	68
	Alfalfa				
Rumen	hay	Positive	differentiation of blood cells	6.89E-04	200
	Alfalfa				
Rumen	hay	Positive	length of cells	7.02E-04	31
	Alfalfa				
Rumen	hay	Positive	proliferation of fibroblasts	7.16E-04	90
	Alfalfa				
Rumen	hay	Positive	transmembrane potential of mitochondria	7.23E-04	58
	Alfalfa				
Rumen	hay	Positive	growth of embryonic tissue	7.31E-04	72
	Alfalfa				
Rumen	hay	Positive	phosphorylation of protein	7.34E-04	176
	Alfalfa				
Rumen	hay	Positive	cognition	7.64E-04	113
	Alfalfa				
Rumen	hay	Positive	function of lymphocytes	7.70E-04	87
	Alfalfa				
Rumen	hay	Positive	accumulation of sterol	7.71E-04	23
	Alfalfa				
Rumen	hay	Positive	recruitment of neutrophils	7.78E-04	51
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of axial skeleton	7.78E-04	53
	Alfalfa				
Rumen	hay	Positive	dysmyelination	7.78E-04	39
	Alfalfa				
Rumen	hay	Positive	dyspnea	7.78E-04	39
	Alfalfa				
Rumen	hay	Positive	transactivation of RNA	8.13E-04	133
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of internal genitalia	8.28E-04	89
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of pulmonary alveolus	8.45E-04	34
	Alfalfa				
Rumen	hay	Positive	hypersensitive reaction	8.67E-04	107
	Alfalfa				
Rumen	hay	Positive	female genital tract serous cancer	8.72E-04	97
Rumen	Alfalfa	Positive	mammary tumor	8.72E-04	369

	hay				
	Alfalfa				
Rumen	hay	Positive	transport of monovalent inorganic cation	8.81E-04	58
	Alfalfa				
Rumen	hay	Positive	concentration of phosphatidic acid	9.00E-04	39
	Alfalfa				
Rumen	hay	Positive	recruitment of phagocytes	9.01E-04	65
	Alfalfa				
Rumen	hay	Positive	chemotaxis of cells	9.24E-04	129
	Alfalfa				
Rumen	hay	Positive	infection by RNA virus	9.27E-04	204
	Alfalfa				
Rumen	hay	Positive	quantity of lymphoid organ	9.32E-04	79
	Alfalfa				
Rumen	hay	Positive	export of molecule	9.99E-04	76
	Alfalfa				
Rumen	hay	Positive	synthesis of terpenoid	1.06E-03	73
	Alfalfa				
Rumen	hay	Positive	congenital anomaly of musculoskeletal system	1.07E-03	175
	Alfalfa				
Rumen	hay	Positive	apoptosis of connective tissue cells	1.10E-03	76
	Alfalfa				
Rumen	hay	Positive	infection by HIV-1	1.10E-03	147
	Alfalfa				
Rumen	hay	Positive	flux of lipid	1.10E-03	37
	Alfalfa				
Rumen	hay	Positive	differentiation of T lymphocytes	1.10E-03	95
	Alfalfa				
Rumen	hay	Positive	neurodegeneration of neurites	1.10E-03	28
	Alfalfa				
Rumen	hay	Positive	morphology of muscle	1.13E-03	85
	Alfalfa				
Rumen	hay	Positive	B-cell leukemia	1.16E-03	34
	Alfalfa				
Rumen	hay	Positive	transport of steroid	1.17E-03	43
	Alfalfa				
Rumen	hay	Positive	cell movement of macrophages	1.19E-03	69
	Alfalfa				
Rumen	hay	Positive	proliferation of muscle cells	1.19E-03	93
	Alfalfa				
Rumen	hay	Positive	formation of thymus gland	1.20E-03	45
	Alfalfa				
Rumen	hay	Positive	transport of acidic amino acid	1.24E-03	16
Rumen	Alfalfa	Positive	hypoplasia of organ	1.25E-03	110

	hay				
	Alfalfa				
Rumen	hay	Positive	formation of leukocytes	1.26E-03	44
	Alfalfa				
Rumen	hay	Positive	quantity of macrophages	1.27E-03	54
	Alfalfa				
Rumen	hay	Positive	formation of reactive oxygen species	1.27E-03	27
	Alfalfa				
Rumen	hay	Positive	synthesis of nucleotide	1.29E-03	91
	Alfalfa				
Rumen	hay	Positive	Hypertrophy	1.29E-03	116
	Alfalfa				
Rumen	hay	Positive	synthesis of carbohydrate	1.32E-03	105
	Alfalfa				
Rumen	hay	Positive	stress response of cells	1.37E-03	39
	Alfalfa				
Rumen	hay	Positive	differentiation of epithelial tissue	1.40E-03	90
	Alfalfa				
Rumen	hay	Positive	cytostasis of tumor cell lines	1.43E-03	44
	Alfalfa				
Rumen	hay	Positive	neurotransmission	1.47E-03	102
	Alfalfa				
Rumen	hay	Positive	relaxation of muscle	1.48E-03	26
	Alfalfa				
Rumen	hay	Positive	chronic B-cell leukemia	1.50E-03	23
	Alfalfa				
Rumen	hay	Positive	formation of lymphocytes	1.50E-03	36
	Alfalfa				
Rumen	hay	Positive	cell death of kidney cell lines	1.52E-03	77
	Alfalfa				
Rumen	hay	Positive	concentration of choline-phospholipid	1.53E-03	18
	Alfalfa				
Rumen	hay	Positive	secretion of molecule	1.53E-03	133
	Alfalfa				
Rumen	hay	Positive	serous neoplasm	1.53E-03	146
	Alfalfa				
Rumen	hay	Positive	function of smooth muscle	1.57E-03	28
	Alfalfa				
Rumen	hay	Positive	hepatocellular carcinoma	1.59E-03	892
	Alfalfa				
Rumen	hay	Positive	function of cardiovascular system	1.59E-03	92
	Alfalfa				
Rumen	hay	Positive	binding of endothelial cells	1.61E-03	31
Rumen	Alfalfa	Positive	repair of DNA	1.61E-03	74

	hay				
	Alfalfa				
Rumen	hay	Positive	recruitment of cells	1.61E-03	89
	Alfalfa				
Rumen	hay	Positive	congenital malformation of skeleton	1.61E-03	104
	Alfalfa				
Rumen	hay	Positive	formation of mononuclear leukocytes	1.66E-03	37
	Alfalfa				
Rumen	hay	Positive	necroptosis of fibroblast cell lines	1.67E-03	22
	Alfalfa				
Rumen	hay	Positive	cell movement of granulocytes	1.70E-03	92
	Alfalfa				
Rumen	hay	Positive	migration of muscle cells	1.70E-03	45
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of nervous system	1.70E-03	171
	Alfalfa				
Rumen	hay	Positive	development of endothelial tissue	1.70E-03	91
	Alfalfa				
Rumen	hay	Positive	bone mineral density	1.70E-03	47
	Alfalfa				
Rumen	hay	Positive	efflux of lipid	1.74E-03	35
	Alfalfa				
Rumen	hay	Positive	metabolism of nucleoside triphosphate	1.75E-03	39
	Alfalfa				
Rumen	hay	Positive	dephosphorylation of protein	1.78E-03	50
	Alfalfa				
Rumen	hay	Positive	cell movement of phagocytes	1.83E-03	132
	Alfalfa				
Rumen	hay	Positive	survival of organism	1.83E-03	166
	Alfalfa				
Rumen	hay	Positive	organization of nucleus	1.84E-03	32
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of jaw	1.85E-03	29
	Alfalfa				
Rumen	hay	Positive	recruitment of macrophages	1.85E-03	31
	Alfalfa				
Rumen	hay	Positive	synthesis of cholesterol	1.85E-03	21
	Alfalfa				
Rumen	hay	Positive	cell death of kidney cells	1.85E-03	87
	Alfalfa				
Rumen	hay	Positive	cellular infiltration	1.85E-03	107
	Alfalfa				
Rumen	hay	Positive	transmigration of cells	1.85E-03	43
Rumen	Alfalfa	Positive	morphology of vertebral column	1.88E-03	40

	hay				
	Alfalfa				
Rumen	hay	Positive	development of genitourinary system	1.88E-03	206
	Alfalfa				
Rumen	hay	Positive	binding of blood vessel	1.88E-03	8
	Alfalfa				
Rumen	hay	Positive	invasion of cells	1.92E-03	202
	Alfalfa				
Rumen	hay	Positive	activation of lymphocytes	1.93E-03	112
	Alfalfa				
Rumen	hay	Positive	locally advanced carcinoma	1.93E-03	9
	Alfalfa				
Rumen	hay	Positive	morphology of skeleton	1.95E-03	71
	Alfalfa				
Rumen	hay	Positive	development of hematopoietic system	1.96E-03	64
	Alfalfa				
Rumen	hay	Positive	breast or ovarian cancer	1.99E-03	422
	Alfalfa				
Rumen	hay	Positive	cell movement of neutrophils	1.99E-03	75
	Alfalfa				
Rumen	hay	Positive	arrest in mitosis of tumor cell lines	1.99E-03	22
	Alfalfa				
Rumen	hay	Positive	cell viability of cerebral cortex cells	1.99E-03	22
	Alfalfa				
Rumen	hay	Positive	hepatobiliary system cancer	2.02E-03	922
	Alfalfa				
Rumen	hay	Positive	quantity of epinephrine	2.04E-03	17
	Alfalfa				
Rumen	hay	Positive	apoptosis of endothelial cells	2.04E-03	49
	Alfalfa				
Rumen	hay	Positive	chronic myeloproliferative disorder	2.05E-03	43
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of skeleton	2.06E-03	69
	Alfalfa				
Rumen	hay	Positive	apoptosis of dermal cells	2.07E-03	27
	Alfalfa				
Rumen	hay	Positive	apoptosis of cerebral cortex cells	2.09E-03	31
	Alfalfa				
Rumen	hay	Positive	apoptosis of skin	2.09E-03	28
	Alfalfa				
Rumen	hay	Positive	cell death of hematopoietic progenitor cells	2.09E-03	59
	Alfalfa				
Rumen	hay	Positive	morphology of nervous system	2.09E-03	183
Rumen	Alfalfa	Positive	stimulation of hepatoma cell lines	2.09E-03	6

	hay				
	Alfalfa				
Rumen	hay	Positive	morphology of jaw	2.09E-03	30
	Alfalfa				
Rumen	hay	Positive	attachment of tumor cell lines	2.11E-03	16
	Alfalfa				
Rumen	hay	Positive	generation of lymphocytes	2.17E-03	39
	Alfalfa				
Rumen	hay	Positive	learning	2.17E-03	102
	Alfalfa				
Rumen	hay	Positive	apoptosis of neurons	2.19E-03	106
	Alfalfa				
Rumen	hay	Positive	craniofacial abnormality	2.19E-03	88
	Alfalfa				
Rumen	hay	Positive	quantity of natural killer T lymphocytes	2.21E-03	21
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of adipose tissue	2.27E-03	34
	Alfalfa				
Rumen	hay	Positive	recruitment of myeloid cells	2.28E-03	59
	Alfalfa				
Rumen	hay	Positive	internalization of lipid	2.29E-03	11
	Alfalfa				
Rumen	hay	Positive	liver cancer	2.31E-03	917
	Alfalfa				
Rumen	hay	Positive	cell death of embryonic cells	2.31E-03	33
	Alfalfa				
Rumen	hay	Positive	metabolism of membrane lipid derivative	2.36E-03	95
	Alfalfa				
Rumen	hay	Positive	cell death of hematopoietic cells	2.36E-03	61
	Alfalfa				
Rumen	hay	Positive	function of muscle	2.37E-03	86
	Alfalfa				
Rumen	hay	Positive	accumulation of triacylglycerol	2.42E-03	27
	Alfalfa				
Rumen	hay	Positive	autophagy	2.42E-03	92
	Alfalfa				
Rumen	hay	Positive	cell tethering or rolling	2.44E-03	29
	Alfalfa				
Rumen	hay	Positive	morphology of endothelial cells	2.47E-03	20
	Alfalfa				
Rumen	hay	Positive	quantity of subcutaneous fat	2.47E-03	20
	Alfalfa				
Rumen	hay	Positive	metabolism of sphingolipid	2.54E-03	38
Rumen	Alfalfa	Positive	autophagy of cells	2.54E-03	67

	hay				
	Alfalfa				
Rumen	hay	Positive	cell death of fibroblasts	2.54E-03	67
	Alfalfa				
Rumen	hay	Positive	exocytosis	2.56E-03	50
	Alfalfa				
Rumen	hay	Positive	proliferation of T lymphocytes	2.57E-03	143
	Alfalfa				
Rumen	hay	Positive	differentiation of epithelial cells	2.63E-03	78
	Alfalfa				
Rumen	hay	Positive	outgrowth of cells	2.65E-03	105
	Alfalfa				
Rumen	hay	Positive	hyperplasia of tissue	2.66E-03	51
	Alfalfa				
Rumen	hay	Positive	transport of long chain fatty acid	2.66E-03	12
	Alfalfa				
Rumen	hay	Positive	G1 phase	2.66E-03	95
	Alfalfa				
Rumen	hay	Positive	breast or colorectal cancer	2.66E-03	1047
	Alfalfa				
Rumen	hay	Positive	synthesis of sphingolipid	2.71E-03	32
	Alfalfa				
Rumen	hay	Positive	quantity of hematopoietic cells	2.71E-03	107
	Alfalfa				
Rumen	hay	Positive	metabolism of peptide	2.71E-03	49
	Alfalfa				
Rumen	hay	Positive	maturation of cells	2.73E-03	110
	Alfalfa				
Rumen	hay	Positive	activation of mononuclear leukocytes	2.76E-03	116
	Alfalfa				
Rumen	hay	Positive	length of neurons	2.78E-03	26
	Alfalfa				
Rumen	hay	Positive	Dermatitis	2.78E-03	105
	Alfalfa				
Rumen	hay	Positive	cell death of skin	2.78E-03	30
	Alfalfa				
Rumen	hay	Positive	liver lesion	2.78E-03	922
	Alfalfa				
Rumen	hay	Positive	accumulation of acylglycerol	2.81E-03	28
	Alfalfa				
Rumen	hay	Positive	outgrowth of neurons	2.84E-03	99
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of lung	2.87E-03	48
Rumen	Alfalfa	Positive	apoptosis of hippocampus	2.89E-03	14

	hay				
	Alfalfa				
Rumen	hay	Positive	synthesis of DNA	2.94E-03	101
	Alfalfa				
Rumen	hay	Positive	neoplasia of lymphoid organ	2.94E-03	42
	Alfalfa				
Rumen	hay	Positive	syndromic mental retardation	2.94E-03	42
	Alfalfa				
Rumen	hay	Positive	morphology of mouth	2.95E-03	37
	Alfalfa				
Rumen	hay	Positive	liver tumor	2.95E-03	921
	Alfalfa				
Rumen	hay	Positive	morphology of capillary vessel	2.99E-03	18
	Alfalfa				
Rumen	hay	Positive	accumulation of cholesterol	3.00E-03	20
	Alfalfa				
Rumen	hay	Positive	outgrowth of neurites	3.05E-03	98
	Alfalfa				
Rumen	hay	Positive	synthesis of steroid	3.15E-03	65
	Alfalfa				
Rumen	hay	Positive	efflux of sterol	3.15E-03	31
	Alfalfa				
Rumen	hay	Positive	necrosis of kidney	3.20E-03	89
	Alfalfa				
Rumen	hay	Positive	psoriatic arthritis	3.22E-03	25
	Alfalfa				
Rumen	hay	Positive	vascularization	3.23E-03	60
	Alfalfa				
Rumen	hay	Positive	cardiogenesis	3.23E-03	113
	Alfalfa				
Rumen	hay	Positive	cell death of embryonic cell lines	3.27E-03	61
	Alfalfa				
Rumen	hay	Positive	proliferation of lymphatic system cells	3.27E-03	52
	Alfalfa				
Rumen	hay	Positive	morphology of lung	3.27E-03	49
	Alfalfa				
Rumen	hay	Positive	morphology of gonad	3.28E-03	92
	Alfalfa				
Rumen	hay	Positive	apoptosis of neuroblastoma cell lines	3.29E-03	34
	Alfalfa				
Rumen	hay	Positive	concentration of ATP	3.29E-03	34
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of vertebrae	3.31E-03	37
Rumen	Alfalfa	Positive	abnormal morphology of hepatobiliary system	3.33E-03	53

	hay				
	Alfalfa				
Rumen	hay	Positive	morphology of vessel component	3.35E-03	19
	Alfalfa				
Rumen	hay	Positive	morphology of heart ventricle	3.36E-03	50
	Alfalfa				
Rumen	hay	Positive	ataxia	3.36E-03	65
	Alfalfa				
Rumen	hay	Positive	quantity of hematopoietic progenitor cells	3.41E-03	106
	Alfalfa				
Rumen	hay	Positive	development of digestive system	3.43E-03	93
	Alfalfa				
Rumen	hay	Positive	degeneration of central nervous system	3.44E-03	36
	Alfalfa				
Rumen	hay	Positive	cell death of endothelial cells	3.57E-03	52
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of vertebral column	3.57E-03	38
	Alfalfa				
Rumen	hay	Positive	concentration of acylglycerol	3.58E-03	82
	Alfalfa				
Rumen	hay	Positive	production of reactive oxygen species	3.58E-03	89
	Alfalfa				
Rumen	hay	Positive	angiogenesis of lesion	3.58E-03	35
	Alfalfa				
Rumen	hay	Positive	concentration of Ca ²⁺	3.58E-03	35
	Alfalfa				
Rumen	hay	Positive	coagulation	3.70E-03	50
	Alfalfa				
Rumen	hay	Positive	apoptosis of hippocampal neurons	3.71E-03	12
	Alfalfa				
Rumen	hay	Positive	demyelination of spinal cord	3.71E-03	12
	Alfalfa				
Rumen	hay	Positive	cell death of dermal cells	3.78E-03	28
	Alfalfa				
Rumen	hay	Positive	formation of blood cells	3.81E-03	51
	Alfalfa				
Rumen	hay	Positive	recruitment of granulocytes	3.81E-03	55
	Alfalfa				
Rumen	hay	Positive	transport of lipid	3.82E-03	61
	Alfalfa				
Rumen	hay	Positive	granulation tissue	3.83E-03	14
	Alfalfa				
Rumen	hay	Positive	cognitive impairment	3.84E-03	81
Rumen	Alfalfa	Positive	metabolism of nucleotide	3.87E-03	105

	hay				
	Alfalfa				
Rumen	hay	Positive	activation of neuroglia	3.88E-03	36
	Alfalfa				
Rumen	hay	Positive	metabolism of DNA	3.96E-03	96
	Alfalfa				
Rumen	hay	Positive	morphology of lymphatic system component	3.96E-03	100
	Alfalfa				
Rumen	hay	Positive	mental retardation	4.06E-03	59
	Alfalfa				
Rumen	hay	Positive	cell movement of muscle cells	4.06E-03	47
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of embryonic tissue	4.17E-03	129
	Alfalfa				
Rumen	hay	Positive	uptake of 2-deoxyglucose	4.24E-03	30
	Alfalfa				
Rumen	hay	Positive	atelectasis	4.30E-03	23
	Alfalfa				
Rumen	hay	Positive	midline defect	4.31E-03	66
	Alfalfa				
Rumen	hay	Positive	remodeling of bone	4.37E-03	49
	Alfalfa				
Rumen	hay	Positive	apoptosis of vascular endothelial cells	4.39E-03	28
	Alfalfa				
Rumen	hay	Positive	mitosis of cervical cancer cell lines	4.39E-03	28
	Alfalfa				
Rumen	hay	Positive	quantity of glycosphingolipid	4.39E-03	28
	Alfalfa				
Rumen	hay	Positive	mitosis of tumor cell lines	4.40E-03	36
	Alfalfa				
Rumen	hay	Positive	angiogenesis of tumor	4.40E-03	33
	Alfalfa				
Rumen	hay	Positive	neurodegeneration of axons	4.41E-03	25
	Alfalfa				
Rumen	hay	Positive	quantity of IL-6 in blood	4.41E-03	25
	Alfalfa				
Rumen	hay	Positive	B-cell lymphoproliferative disorder	4.46E-03	96
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of endothelial tissue	4.46E-03	20
	Alfalfa				
Rumen	hay	Positive	formation of T lymphocytes	4.55E-03	32
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of gonad	4.69E-03	88
Rumen	Alfalfa	Positive	development of reproductive system	4.69E-03	170

	hay				
	Alfalfa				
Rumen	hay	Positive	cell movement of leukemia cell lines	4.73E-03	37
	Alfalfa				
Rumen	hay	Positive	bleeding of brain	4.75E-03	21
	Alfalfa				
Rumen	hay	Positive	recruitment of leukocytes	4.80E-03	79
	Alfalfa				
Rumen	hay	Positive	concentration of phosphatidylcholine	4.83E-03	15
	Alfalfa				
Rumen	hay	Positive	movement of mesenchymal stem cells	4.90E-03	11
	Alfalfa				
Rumen	hay	Positive	branching of cells	4.94E-03	89
	Alfalfa				
Rumen	hay	Positive	binding of guanosine 5'-O-(3-thiotriphosphate)	4.96E-03	22
	Alfalfa				
Rumen	hay	Positive	delayed hypersensitive reaction	4.96E-03	36
	Alfalfa				
Rumen	hay	Positive	recruitment of antigen presenting cells	5.01E-03	33
	Alfalfa		metabolism of nucleic acid component or		
Rumen	hay	Positive	derivative	5.09E-03	122
	Alfalfa				
Rumen	hay	Positive	recruitment of blood cells	5.09E-03	80
	Alfalfa				
Rumen	hay	Positive	I-kappaB kinase/NF-kappaB cascade	5.10E-03	45
	Alfalfa				
Rumen	hay	Positive	formation of plasma membrane projections	5.13E-03	139
	Alfalfa				
Rumen	hay	Positive	cell rolling of blood cells	5.13E-03	24
	Alfalfa				
Rumen	hay	Positive	synthesis of sterol	5.13E-03	24
	Alfalfa				
Rumen	hay	Positive	binding of hematopoietic progenitor cells	5.13E-03	9
	Alfalfa		gap junctional intercellular communication of		
Rumen	hay	Positive	cells	5.13E-03	9
	Alfalfa				
Rumen	hay	Positive	abnormal morphology of capillary vessel	5.13E-03	17
	Alfalfa				
Rumen	hay	Positive	cell death of pericytes	5.14E-03	12
	Alfalfa				
Rumen	hay	Positive	apoptosis of epidermal cells	5.14E-03	25
	Alfalfa				
Rumen	hay	Positive	Ovarian Cancer and Tumors	5.15E-03	174
Rumen	Alfalfa	Positive	metabolism of amino acids	5.15E-03	43

	hay				
	Alfalfa				
Rumen	hay	Positive	apoptosis of heart cell lines	5.16E-03	13
	Alfalfa				
Rumen	hay	Positive	synthesis of prostaglandin E2	5.23E-03	37
	Alfalfa				
Rumen	hay	Positive	differentiation of embryonic tissue	5.26E-03	63
	Alfalfa				
Rumen	hay	Positive	size of lesion	5.26E-03	63
	Alfalfa				
Rumen	hay	Positive	steroid metabolism	5.26E-03	63
	Alfalfa				
Rumen	hay	Positive	cell viability of central nervous system cells	5.27E-03	31
	Alfalfa				
Rumen	hay	Positive	leukocytosis	5.27E-03	31
	Alfalfa				
Rumen	hay	Positive	replication of Human cytomegalovirus	5.33E-03	6
	Alfalfa				
Rumen	hay	Negative	proliferation of cells	5.24E-25	1072
	Alfalfa				
Rumen	hay	Negative	cell death	2.81E-23	974
	Alfalfa				
Rumen	hay	Negative	cancer	2.67E-22	2716
	Alfalfa				
Rumen	hay	Negative	necrosis	5.55E-22	774
	Alfalfa				
Rumen	hay	Negative	malignant solid tumor	3.41E-21	2681
	Alfalfa				
Rumen	hay	Negative	organismal death	9.45E-21	722
	Alfalfa				
Rumen	hay	Negative	apoptosis	9.45E-21	785
	Alfalfa				
Rumen	hay	Negative	morbidity or mortality	9.45E-21	730
	Alfalfa				
Rumen	hay	Negative	cellular homeostasis	3.19E-18	483
	Alfalfa				
Rumen	hay	Negative	organization of cytoplasm	1.99E-16	478
	Alfalfa				
Rumen	hay	Negative	morphology of cells	2.51E-16	585
	Alfalfa				
Rumen	hay	Negative	cell movement	8.58E-16	629
	Alfalfa				
Rumen	hay	Negative	cell death of tumor cell lines	8.91E-16	473
Rumen	Alfalfa	Negative	quantity of cells	2.68E-15	534

	hay				
	Alfalfa				
Rumen	hay	Negative	morphology of cardiovascular system	2.91E-15	221
	Alfalfa				
Rumen	hay	Negative	cell survival	5.52E-15	434
	Alfalfa				
Rumen	hay	Negative	apoptosis of tumor cell lines	7.08E-15	385
	Alfalfa				
Rumen	hay	Negative	expression of RNA	8.42E-15	628
	Alfalfa				
Rumen	hay	Negative	cell viability	9.98E-15	408
	Alfalfa				
Rumen	hay	Negative	migration of cells	1.09E-14	565
	Alfalfa				
Rumen	hay	Negative	Movement Disorders	5.71E-14	340
	Alfalfa				
Rumen	hay	Negative	transport of molecule	9.98E-14	485
	Alfalfa				
Rumen	hay	Negative	transcription	1.12E-13	583
	Alfalfa				
Rumen	hay	Negative	organization of cytoskeleton	1.82E-13	427
	Alfalfa				
Rumen	hay	Negative	angiogenesis	1.88E-13	296
	Alfalfa				
Rumen	hay	Negative	development of vasculature	3.99E-13	154
	Alfalfa				
Rumen	hay	Negative	transcription of RNA	8.71E-13	543
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of cardiovascular system	1.01E-12	197
	Alfalfa				
Rumen	hay	Negative	microtubule dynamics	1.35E-12	367
	Alfalfa				
Rumen	hay	Negative	disorder of basal ganglia	1.85E-12	253
	Alfalfa				
Rumen	hay	Negative	vasculogenesis	2.49E-12	244
	Alfalfa				
Rumen	hay	Negative	quantity of blood cells	2.49E-12	324
	Alfalfa				
Rumen	hay	Negative	neuromuscular disease	1.15E-11	282
	Alfalfa				
Rumen	hay	Negative	cell viability of tumor cell lines	1.27E-11	253
	Alfalfa				
Rumen	hay	Negative	dyskinesia	1.55E-11	207
Rumen	Alfalfa	Negative	cell spreading	1.79E-11	106

	hay				
	Alfalfa				
Rumen	hay	Negative	quantity of leukocytes	1.79E-11	290
	Alfalfa				
Rumen	hay	Negative	neurological signs	4.61E-11	215
	Alfalfa				
Rumen	hay	Negative	size of body	6.01E-11	270
	Alfalfa				
Rumen	hay	Negative	formation of cellular protrusions	6.25E-11	284
	Alfalfa				
Rumen	hay	Negative	cell movement of tumor cell lines	6.38E-11	270
	Alfalfa				
Rumen	hay	Negative	Growth Failure	8.31E-11	199
	Alfalfa				
Rumen	hay	Negative	morphology of vessel	1.28E-10	113
	Alfalfa				
Rumen	hay	Negative	migration of tumor cell lines	1.94E-10	228
	Alfalfa				
Rumen	hay	Negative	tumorigenesis of tissue	2.09E-10	2229
	Alfalfa				
Rumen	hay	Negative	epithelial cancer	2.43E-10	2175
	Alfalfa				
Rumen	hay	Negative	development of body trunk	2.61E-10	338
	Alfalfa				
Rumen	hay	Negative	neoplasia of epithelial tissue	2.61E-10	2194
	Alfalfa				
Rumen	hay	Negative	Huntington's Disease	3.04E-10	190
	Alfalfa				
Rumen	hay	Negative	proliferation of neuronal cells	3.87E-10	190
	Alfalfa				
Rumen	hay	Negative	cell death of connective tissue cells	1.03E-09	196
	Alfalfa				
Rumen	hay	Negative	small GTPase mediated signal transduction	1.04E-09	73
	Alfalfa				
Rumen	hay	Negative	morphology of blood vessel	1.14E-09	103
	Alfalfa				
Rumen	hay	Negative	ubiquitination	1.33E-09	119
	Alfalfa				
Rumen	hay	Negative	neuronal cell death	1.69E-09	217
	Alfalfa				
Rumen	hay	Negative	invasion of cells	2.06E-09	268
	Alfalfa				
Rumen	hay	Negative	transcription of DNA	2.06E-09	441
Rumen	Alfalfa	Negative	abnormal morphology of thoracic cavity	2.26E-09	190

	hay				
	Alfalfa				
Rumen	hay	Negative	growth of organism	3.23E-09	258
	Alfalfa				
Rumen	hay	Negative	Viral Infection	3.59E-09	459
	Alfalfa				
Rumen	hay	Negative	seizure disorder	4.03E-09	156
	Alfalfa				
Rumen	hay	Negative	colony formation of cells	4.78E-09	162
	Alfalfa				
Rumen	hay	Negative	necrosis of epithelial tissue	5.59E-09	189
	Alfalfa				
Rumen	hay	Negative	synthesis of lipid	8.40E-09	223
	Alfalfa				
Rumen	hay	Negative	ubiquitination of protein	8.46E-09	115
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of cells	9.35E-09	368
	Alfalfa				
Rumen	hay	Negative	morphology of heart	1.11E-08	136
	Alfalfa				
Rumen	hay	Negative	proliferation of muscle cells	1.11E-08	126
	Alfalfa				
Rumen	hay	Negative	development of cytoplasm	1.19E-08	152
	Alfalfa				
Rumen	hay	Negative	quantity of lymphocytes	1.40E-08	220
	Alfalfa				
Rumen	hay	Negative	development of epithelial tissue	1.56E-08	167
	Alfalfa				
Rumen	hay	Negative	cell movement of blood cells	1.61E-08	265
	Alfalfa				
Rumen	hay	Negative	function of cardiovascular system	1.61E-08	125
	Alfalfa				
Rumen	hay	Negative	morphology of body cavity	1.93E-08	348
	Alfalfa				
Rumen	hay	Negative	migration of blood cells	1.93E-08	264
	Alfalfa				
Rumen	hay	Negative	cell death of cervical cancer cell lines	2.35E-08	119
	Alfalfa				
Rumen	hay	Negative	cell death of blood cells	2.44E-08	215
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of blood vessel	2.47E-08	94
	Alfalfa				
Rumen	hay	Negative	leukocyte migration	2.51E-08	263
Rumen	Alfalfa	Negative	proliferation of tumor cell lines	2.59E-08	437

	hay				
	Alfalfa				
Rumen	hay	Negative	transactivation	2.79E-08	183
	Alfalfa				
Rumen	hay	Negative	quantity of mononuclear leukocytes	2.90E-08	226
	Alfalfa				
Rumen	hay	Negative	abdominal neoplasm	3.50E-08	2159
	Alfalfa				
Rumen	hay	Negative	cell death of heart cells	3.96E-08	80
	Alfalfa				
Rumen	hay	Negative	cell death of heart	4.99E-08	82
	Alfalfa				
Rumen	hay	Negative	apoptosis of neuroblastoma cell lines	5.48E-08	50
	Alfalfa				
Rumen	hay	Negative	cell death of immune cells	5.90E-08	204
	Alfalfa				
Rumen	hay	Negative	colony formation	6.06E-08	170
	Alfalfa				
Rumen	hay	Negative	activation of cells	6.06E-08	289
	Alfalfa				
Rumen	hay	Negative	inflammatory response	6.36E-08	236
	Alfalfa				
Rumen	hay	Negative	epilepsy	6.36E-08	105
	Alfalfa				
Rumen	hay	Negative	degeneration of nervous system	6.36E-08	99
	Alfalfa				
Rumen	hay	Negative	autophagy	7.64E-08	124
	Alfalfa				
Rumen	hay	Negative	Neurodegeneration	8.68E-08	105
	Alfalfa				
Rumen	hay	Negative	cell death of neuroblastoma cell lines	9.09E-08	71
	Alfalfa				
Rumen	hay	Negative	abdominal cancer	9.11E-08	2131
	Alfalfa				
Rumen	hay	Negative	perinatal death	9.87E-08	185
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of epithelial tissue	9.93E-08	136
	Alfalfa				
Rumen	hay	Negative	Organ Degeneration	9.93E-08	157
	Alfalfa				
Rumen	hay	Negative	endocytosis	1.03E-07	115
	Alfalfa				
Rumen	hay	Negative	epileptic seizure	1.14E-07	63
Rumen	Alfalfa	Negative	growth of embryo	1.27E-07	152

	hay				
	Alfalfa				
Rumen	hay	Negative	seizures	1.35E-07	130
	Alfalfa				
Rumen	hay	Negative	migration of breast cancer cell lines	1.35E-07	86
	Alfalfa				
Rumen	hay	Negative	protein kinase cascade	1.60E-07	136
	Alfalfa				
Rumen	hay	Negative	formation of cytoskeleton	1.82E-07	123
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of heart	1.86E-07	125
	Alfalfa				
Rumen	hay	Negative	behavior	1.88E-07	289
	Alfalfa				
Rumen	hay	Negative	homing	1.95E-07	178
	Alfalfa				
Rumen	hay	Negative	development of cardiovascular tissue	1.96E-07	121
	Alfalfa				
Rumen	hay	Negative	growth of neurites	1.97E-07	147
	Alfalfa				
Rumen	hay	Negative	growth of plasma membrane projections	2.21E-07	148
	Alfalfa				
Rumen	hay	Negative	cell viability of cervical cancer cell lines	2.29E-07	78
	Alfalfa				
Rumen	hay	Negative	cell cycle progression	2.64E-07	303
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of body cavity	3.01E-07	327
	Alfalfa				
Rumen	hay	Negative	quantity of connective tissue	3.02E-07	185
	Alfalfa				
Rumen	hay	Negative	development of leukocytes	3.27E-07	181
	Alfalfa				
Rumen	hay	Negative	cell movement of connective tissue cells	3.27E-07	78
	Alfalfa				
Rumen	hay	Negative	cell movement of leukocytes	3.29E-07	229
	Alfalfa				
Rumen	hay	Negative	proliferation of connective tissue cells	3.48E-07	182
	Alfalfa				
Rumen	hay	Negative	development of endothelial tissue	3.53E-07	119
	Alfalfa				
Rumen	hay	Negative	proliferation of smooth muscle cells	3.78E-07	96
	Alfalfa				
Rumen	hay	Negative	differentiation of cells	3.82E-07	602
Rumen	Alfalfa	Negative	cell movement of breast cancer cell lines	3.90E-07	97

	hay				
	Alfalfa				
Rumen	hay	Negative	cell death of epithelial cell lines	4.14E-07	95
	Alfalfa				
Rumen	hay	Negative	morphology of artery	4.14E-07	58
	Alfalfa				
Rumen	hay	Negative	phosphorylation of protein	4.14E-07	220
	Alfalfa				
Rumen	hay	Negative	cell transformation	4.67E-07	145
	Alfalfa				
Rumen	hay	Negative	cell movement of fibroblasts	4.77E-07	66
	Alfalfa				
Rumen	hay	Negative	cell death of cardiomyocytes	4.87E-07	75
	Alfalfa				
Rumen	hay	Negative	sprouting	5.24E-07	124
	Alfalfa				
Rumen	hay	Negative	necrosis of cardiac muscle	5.30E-07	76
	Alfalfa				
Rumen	hay	Negative	digestive system cancer	6.73E-07	1847
	Alfalfa				
Rumen	hay	Negative	homing of cells	6.75E-07	171
	Alfalfa				
Rumen	hay	Negative	cell death of fibroblast cell lines	6.77E-07	135
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of artery	7.05E-07	56
	Alfalfa				
Rumen	hay	Negative	transactivation of RNA	7.17E-07	167
	Alfalfa				
Rumen	hay	Negative	synthesis of DNA	7.56E-07	132
	Alfalfa				
Rumen	hay	Negative	outgrowth of plasma membrane projections	8.56E-07	129
	Alfalfa				
Rumen	hay	Negative	cell movement of endothelial cells	8.81E-07	114
	Alfalfa				
Rumen	hay	Negative	digestive organ tumor	8.98E-07	1862
	Alfalfa				
Rumen	hay	Negative	development of blood cells	9.20E-07	196
	Alfalfa				
Rumen	hay	Negative	apoptosis of heart cells	9.20E-07	67
	Alfalfa				
Rumen	hay	Negative	formation of muscle	9.20E-07	126
	Alfalfa				
Rumen	hay	Negative	fibrogenesis	9.20E-07	130
Rumen	Alfalfa	Negative	outgrowth of neurons	9.20E-07	129

	hay				
	Alfalfa				
Rumen	hay	Negative	outgrowth of neurites	9.20E-07	128
	Alfalfa				
Rumen	hay	Negative	synthesis of nitric oxide	9.72E-07	92
	Alfalfa				
Rumen	hay	Negative	growth of epithelial tissue	1.06E-06	203
	Alfalfa				
Rumen	hay	Negative	metabolism of carbohydrate	1.14E-06	187
	Alfalfa				
Rumen	hay	Negative	cell movement of myeloid cells	1.16E-06	165
	Alfalfa				
Rumen	hay	Negative	cell death of epithelial cells	1.30E-06	153
	Alfalfa				
Rumen	hay	Negative	cell death of kidney cells	1.38E-06	112
	Alfalfa				
Rumen	hay	Negative	development of lymphatic system	1.39E-06	114
	Alfalfa				
Rumen	hay	Negative	cell death of carcinoma cell lines	1.39E-06	94
	Alfalfa				
Rumen	hay	Negative	concentration of lipid	1.44E-06	237
	Alfalfa				
Rumen	hay	Negative	cell death of tumor	1.44E-06	121
	Alfalfa				
Rumen	hay	Negative	endothelial cell development	1.55E-06	113
	Alfalfa				
Rumen	hay	Negative	necrosis of kidney	1.58E-06	116
	Alfalfa				
Rumen	hay	Negative	quantity of T lymphocytes	1.58E-06	163
	Alfalfa				
Rumen	hay	Negative	outgrowth of cells	1.73E-06	135
	Alfalfa				
Rumen	hay	Negative	apoptosis of blood cells	1.73E-06	152
	Alfalfa				
Rumen	hay	Negative	survival of organism	1.73E-06	208
	Alfalfa				
Rumen	hay	Negative	apoptosis of epithelial cell lines	1.95E-06	76
	Alfalfa				
Rumen	hay	Negative	growth of connective tissue	1.96E-06	192
	Alfalfa				
Rumen	hay	Negative	cell viability of cerebral cortex cells	1.98E-06	30
	Alfalfa				
Rumen	hay	Negative	necrosis of tumor	1.99E-06	120
Rumen	Alfalfa	Negative	chemotaxis	2.20E-06	165

	hay				
	Alfalfa				
Rumen	hay	Negative	fatty acid metabolism	2.23E-06	180
	Alfalfa				
Rumen	hay	Negative	proliferation of embryonic stem cell lines	2.29E-06	15
	Alfalfa				
Rumen	hay	Negative	proliferation of fibroblasts	2.44E-06	112
	Alfalfa				
Rumen	hay	Negative	function of blood cells	2.44E-06	176
	Alfalfa				
Rumen	hay	Negative	recruitment of cells	2.44E-06	113
	Alfalfa				
Rumen	hay	Negative	development of lymphocytes	2.49E-06	167
	Alfalfa				
Rumen	hay	Negative	apoptosis of cervical cancer cell lines	2.52E-06	92
	Alfalfa				
Rumen	hay	Negative	development of mononuclear leukocytes	2.66E-06	168
	Alfalfa				
Rumen	hay	Negative	formation of cells	2.71E-06	280
	Alfalfa				
Rumen	hay	Negative	formation of actin stress fibers	2.79E-06	80
	Alfalfa				
Rumen	hay	Negative	aggregation of cells	2.82E-06	104
	Alfalfa				
Rumen	hay	Negative	secretion of molecule	3.03E-06	166
	Alfalfa				
Rumen	hay	Negative	formation of filaments	3.05E-06	124
	Alfalfa				
Rumen	hay	Negative	cellular infiltration	3.12E-06	135
	Alfalfa				
Rumen	hay	Negative	cell death of breast cancer cell lines	3.26E-06	106
	Alfalfa				
Rumen	hay	Negative	function of leukocytes	3.26E-06	162
	Alfalfa				
Rumen	hay	Negative	cell death of muscle	3.31E-06	109
	Alfalfa				
Rumen	hay	Negative	apoptosis of cardiomyocytes	3.31E-06	64
	Alfalfa				
Rumen	hay	Negative	synthesis of fatty acid	3.36E-06	100
	Alfalfa				
Rumen	hay	Negative	cellular infiltration by leukocytes	3.36E-06	121
	Alfalfa				
Rumen	hay	Negative	differentiation of leukocytes	3.57E-06	198
Rumen	Alfalfa	Negative	invasion of tumor cell lines	3.78E-06	196

	hay				
	Alfalfa				
Rumen	hay	Negative	quantity of lymphatic system component	3.78E-06	118
	Alfalfa				
Rumen	hay	Negative	proliferation of embryonic cell lines	4.22E-06	56
	Alfalfa				
Rumen	hay	Negative	migration of endothelial cells	4.58E-06	104
	Alfalfa				
Rumen	hay	Negative	morphology of cardiovascular tissue	4.58E-06	35
	Alfalfa				
Rumen	hay	Negative	cell death of muscle cells	4.63E-06	106
	Alfalfa				
Rumen	hay	Negative	cellular infiltration of cells	4.64E-06	123
	Alfalfa				
Rumen	hay	Negative	necrosis of muscle	4.65E-06	108
	Alfalfa				
Rumen	hay	Negative	autosomal dominant disease	4.71E-06	188
	Alfalfa				
Rumen	hay	Negative	quantity of lymphoid organ	5.42E-06	98
	Alfalfa				
Rumen	hay	Negative	cell death of cerebral cortex cells	5.54E-06	76
	Alfalfa				
Rumen	hay	Negative	cell death of T lymphocytes	5.54E-06	100
	Alfalfa				
Rumen	hay	Negative	cellular degradation	5.55E-06	83
	Alfalfa				
Rumen	hay	Negative	metabolism of membrane lipid derivative	5.83E-06	120
	Alfalfa				
Rumen	hay	Negative	apoptosis of leukocytes	5.83E-06	139
	Alfalfa				
Rumen	hay	Negative	degeneration of cells	5.83E-06	108
	Alfalfa				
Rumen	hay	Negative	chemotaxis of cells	5.95E-06	158
	Alfalfa				
Rumen	hay	Negative	quantity of hematopoietic cells	6.16E-06	135
	Alfalfa				
Rumen	hay	Negative	migration of connective tissue cells	6.59E-06	62
	Alfalfa				
Rumen	hay	Negative	T cell development	6.92E-06	151
	Alfalfa				
Rumen	hay	Negative	apoptosis of carcinoma cell lines	7.66E-06	80
	Alfalfa				
Rumen	hay	Negative	development of neurons	7.98E-06	225
Rumen	Alfalfa	Negative	growth of lesion	8.00E-06	229

	hay				
	Alfalfa				
Rumen	hay	Negative	quantity of hematopoietic progenitor cells	8.52E-06	134
	Alfalfa				
Rumen	hay	Negative	cell death of kidney cell lines	8.59E-06	96
	Alfalfa				
Rumen	hay	Negative	size of animal	8.59E-06	61
	Alfalfa				
Rumen	hay	Negative	degeneration of neurons	9.45E-06	78
	Alfalfa				
Rumen	hay	Negative	differentiation of neuronal progenitor cells	9.76E-06	23
	Alfalfa				
Rumen	hay	Negative	morphology of endothelial tissue	9.98E-06	33
	Alfalfa				
Rumen	hay	Negative	cell death of pheochromocytoma cell lines	9.98E-06	44
	Alfalfa				
Rumen	hay	Negative	growth of tumor	1.02E-05	228
	Alfalfa				
Rumen	hay	Negative	recruitment of blood cells	1.03E-05	103
	Alfalfa				
Rumen	hay	Negative	apoptosis of muscle	1.15E-05	84
	Alfalfa				
Rumen	hay	Negative	quantity of thymus gland	1.16E-05	76
	Alfalfa				
Rumen	hay	Negative	metabolism of protein	1.30E-05	273
	Alfalfa				
Rumen	hay	Negative	cell death of mononuclear leukocytes	1.36E-05	121
	Alfalfa				
Rumen	hay	Negative	cell death of tumor cells	1.44E-05	114
	Alfalfa				
Rumen	hay	Negative	hydrolysis of lipid	1.44E-05	63
	Alfalfa				
Rumen	hay	Negative	infection by Retroviridae	1.45E-05	207
	Alfalfa				
Rumen	hay	Negative	apoptosis of fibroblast cell lines	1.47E-05	102
	Alfalfa				
Rumen	hay	Negative	morphology of muscle	1.47E-05	104
	Alfalfa				
Rumen	hay	Negative	proliferation of blood cells	1.47E-05	239
	Alfalfa				
Rumen	hay	Negative	quantity of thymocytes	1.48E-05	75
	Alfalfa				
Rumen	hay	Negative	cell death of central nervous system cells	1.51E-05	92
Rumen	Alfalfa	Negative	apoptosis of connective tissue cells	1.53E-05	93

	hay				
	Alfalfa				
Rumen	hay	Negative	morphology of connective tissue	1.54E-05	138
	Alfalfa				
Rumen	hay	Negative	cardiogenesis	1.60E-05	141
	Alfalfa				
Rumen	hay	Negative	apoptosis of muscle cells	1.65E-05	83
	Alfalfa				
Rumen	hay	Negative	congenital anomaly of musculoskeletal system	1.65E-05	211
	Alfalfa				
Rumen	hay	Negative	activation of DNA endogenous promoter	1.65E-05	332
	Alfalfa				
Rumen	hay	Negative	interphase	1.65E-05	190
	Alfalfa				
Rumen	hay	Negative	migration of fibroblasts	1.65E-05	50
	Alfalfa				
Rumen	hay	Negative	homeostasis of leukocytes	1.75E-05	163
	Alfalfa				
Rumen	hay	Negative	morphology of respiratory system	1.76E-05	97
	Alfalfa				
Rumen	hay	Negative	morphology of endothelial cells	1.83E-05	26
	Alfalfa				
Rumen	hay	Negative	activation of enzyme	1.84E-05	118
	Alfalfa				
Rumen	hay	Negative	autophagy of cells	1.89E-05	84
	Alfalfa				
Rumen	hay	Negative	cell death of fibroblasts	1.89E-05	84
	Alfalfa				
Rumen	hay	Negative	vascularization	2.00E-05	76
	Alfalfa				
Rumen	hay	Negative	Lymphocyte homeostasis	2.05E-05	160
	Alfalfa				
Rumen	hay	Negative	cell death of lymphocytes	2.05E-05	117
	Alfalfa				
Rumen	hay	Negative	female genital tract serous cancer	2.05E-05	117
	Alfalfa				
Rumen	hay	Negative	development of lymphatic system component	2.20E-05	96
	Alfalfa				
Rumen	hay	Negative	T cell homeostasis	2.30E-05	152
	Alfalfa				
Rumen	hay	Negative	consumption of oxygen	2.34E-05	53
	Alfalfa				
Rumen	hay	Negative	differentiation of muscle cell lines	2.38E-05	55
Rumen	Alfalfa	Negative	Thrombosis	2.38E-05	57

	hay				
	Alfalfa				
Rumen	hay	Negative	recruitment of leukocytes	2.50E-05	100
	Alfalfa				
Rumen	hay	Negative	morphology of head	2.58E-05	246
	Alfalfa				
Rumen	hay	Negative	Bleeding	2.67E-05	127
	Alfalfa				
Rumen	hay	Negative	activation of leukocytes	2.68E-05	200
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of respiratory system	2.76E-05	95
	Alfalfa				
Rumen	hay	Negative	cell death of hematopoietic cell lines	2.82E-05	74
	Alfalfa				
Rumen	hay	Negative	apoptosis of hematopoietic cell lines	2.82E-05	67
	Alfalfa				
Rumen	hay	Negative	morphogenesis of neurons	2.92E-05	127
	Alfalfa				
Rumen	hay	Negative	cell movement of granulocytes	3.27E-05	112
	Alfalfa				
Rumen	hay	Negative	infection by RNA virus	3.27E-05	243
	Alfalfa				
Rumen	hay	Negative	neuritogenesis	3.31E-05	169
	Alfalfa				
Rumen	hay	Negative	differentiation of blood cells	3.33E-05	237
	Alfalfa				
Rumen	hay	Negative	quantity of myeloid cells	3.35E-05	108
	Alfalfa				
Rumen	hay	Negative	activation of blood cells	3.35E-05	212
	Alfalfa				
Rumen	hay	Negative	cell death of cortical neurons	3.62E-05	58
	Alfalfa				
Rumen	hay	Negative	growth of lymphatic system component	3.62E-05	63
	Alfalfa				
Rumen	hay	Negative	size of embryo	3.73E-05	108
	Alfalfa				
Rumen	hay	Negative	organization of organelle	3.93E-05	157
	Alfalfa				
Rumen	hay	Negative	proliferation of fibroblast cell lines	3.96E-05	126
	Alfalfa				
Rumen	hay	Negative	infection by lentivirus	3.96E-05	203
	Alfalfa				
Rumen	hay	Negative	cell movement of hepatoma cell lines	3.97E-05	34
Rumen	Alfalfa	Negative	neurodegeneration of neurites	3.97E-05	34

	hay				
	Alfalfa				
Rumen	hay	Negative	cleavage of lipid	3.97E-05	65
	Alfalfa				
Rumen	hay	Negative	formation of eye	3.97E-05	130
	Alfalfa				
Rumen	hay	Negative	formation of plasma membrane projections	4.05E-05	172
	Alfalfa				
Rumen	hay	Negative	transmembrane potential of mitochondria	4.08E-05	69
	Alfalfa				
Rumen	hay	Negative	proliferation of immune cells	4.12E-05	223
	Alfalfa				
Rumen	hay	Negative	proliferation of hematopoietic cells	4.23E-05	80
	Alfalfa				
Rumen	hay	Negative	differentiation of muscle	4.26E-05	93
	Alfalfa				
Rumen	hay	Negative	neonatal death	4.32E-05	130
	Alfalfa				
Rumen	hay	Negative	ruffling	4.51E-05	39
	Alfalfa				
Rumen	hay	Negative	proliferation of lymphatic system cells	4.58E-05	65
	Alfalfa				
Rumen	hay	Negative	HIV infection	4.60E-05	202
	Alfalfa				
Rumen	hay	Negative	development of body axis	4.61E-05	289
	Alfalfa				
Rumen	hay	Negative	paraproteinemia	4.66E-05	102
	Alfalfa				
Rumen	hay	Negative	cell death of myeloma cell lines	5.03E-05	35
	Alfalfa				
Rumen	hay	Negative	formation of lamellipodia	5.07E-05	54
	Alfalfa				
Rumen	hay	Negative	development of hematopoietic system	5.24E-05	78
	Alfalfa				
Rumen	hay	Negative	cell death of endothelial cells	5.29E-05	65
	Alfalfa				
Rumen	hay	Negative	advanced malignant tumor	5.57E-05	236
	Alfalfa				
Rumen	hay	Negative	apoptosis of B-lymphocyte derived cell lines	5.65E-05	43
	Alfalfa				
Rumen	hay	Negative	hypertrophy of heart	5.81E-05	102
	Alfalfa				
Rumen	hay	Negative	mass of organism	5.83E-05	101
Rumen	Alfalfa	Negative	recruitment of macrophages	5.84E-05	38

	hay				
	Alfalfa				
Rumen	hay	Negative	cell death of malignant tumor	5.94E-05	92
	Alfalfa				
Rumen	hay	Negative	formation of actin filaments	5.94E-05	93
	Alfalfa				
Rumen	hay	Negative	cell death of leukocyte cell lines	6.10E-05	65
	Alfalfa				
Rumen	hay	Negative	aggregation of blood platelets	6.14E-05	62
	Alfalfa				
Rumen	hay	Negative	cell viability of neuroblastoma cell lines	6.24E-05	25
	Alfalfa				
Rumen	hay	Negative	I-kappaB kinase/NF-kappaB cascade	6.24E-05	57
	Alfalfa				
Rumen	hay	Negative	quantity of B lymphocytes	6.24E-05	104
	Alfalfa				
Rumen	hay	Negative	blood protein disorder	6.31E-05	112
	Alfalfa				
Rumen	hay	Negative	concentration of Ca ²⁺	6.35E-05	44
	Alfalfa				
Rumen	hay	Negative	invasion of tissue	6.36E-05	63
	Alfalfa				
Rumen	hay	Negative	proliferation of hematopoietic progenitor cells	6.36E-05	76
	Alfalfa				
Rumen	hay	Negative	quantity of IL-6 in blood	6.42E-05	32
	Alfalfa				
Rumen	hay	Negative	development of head	6.50E-05	270
	Alfalfa				
Rumen	hay	Negative	apoptosis of leukocyte cell lines	6.55E-05	58
	Alfalfa				
Rumen	hay	Negative	function of blood vessel	6.64E-05	23
	Alfalfa				
Rumen	hay	Negative	autophagy of fibroblast cell lines	6.70E-05	18
	Alfalfa				
Rumen	hay	Negative	transformation of fibroblast cell lines	6.74E-05	80
	Alfalfa				
Rumen	hay	Negative	apoptosis of neurons	6.82E-05	128
	Alfalfa				
Rumen	hay	Negative	apoptosis of fibroblasts	6.86E-05	69
	Alfalfa				
Rumen	hay	Negative	plasma cell dyscrasia	6.92E-05	101
	Alfalfa				
Rumen	hay	Negative	uptake of monosaccharide	6.92E-05	83
Rumen	Alfalfa	Negative	cell death of brain cells	6.97E-05	84

	hay				
	Alfalfa				
Rumen	hay	Negative	apoptosis of T lymphocytes	7.05E-05	86
	Alfalfa				
Rumen	hay	Negative	apoptosis of breast cancer cell lines	7.09E-05	88
	Alfalfa				
Rumen	hay	Negative	mitosis	7.09E-05	144
	Alfalfa				
Rumen	hay	Negative	cell death of brain	7.09E-05	89
	Alfalfa				
Rumen	hay	Negative	metastasis	7.13E-05	213
	Alfalfa				
Rumen	hay	Negative	cell movement of phagocytes	7.20E-05	158
	Alfalfa				
Rumen	hay	Negative	cell death of B-lymphocyte derived cell lines	7.45E-05	44
	Alfalfa				
Rumen	hay	Negative	catabolism of protein	7.45E-05	172
	Alfalfa				
Rumen	hay	Negative	function of macrophages	7.45E-05	58
	Alfalfa				
Rumen	hay	Negative	branching of cells	7.56E-05	110
	Alfalfa				
Rumen	hay	Negative	cell viability of cortical neurons	7.70E-05	20
	Alfalfa				
Rumen	hay	Negative	branching of neurites	7.74E-05	85
	Alfalfa				
Rumen	hay	Negative	engulfment of cells	7.74E-05	120
	Alfalfa				
Rumen	hay	Negative	formation of vascular lesion	7.74E-05	40
	Alfalfa				
Rumen	hay	Negative	apoptosis of myeloma cell lines	8.00E-05	31
	Alfalfa				
Rumen	hay	Negative	function of muscle	8.07E-05	104
	Alfalfa				
Rumen	hay	Negative	congenital malformation of skeleton	8.63E-05	124
	Alfalfa				
Rumen	hay	Negative	proliferation of endothelial cells	8.72E-05	94
	Alfalfa				
Rumen	hay	Negative	necrosis of malignant tumor	8.77E-05	91
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of head	8.99E-05	231
	Alfalfa				
Rumen	hay	Negative	transport of carboxylic acid	8.99E-05	41
Rumen	Alfalfa	Negative	synaptic transmission	9.22E-05	101

	hay				
	Alfalfa				
Rumen	hay	Negative	aggregation of blood cells	9.67E-05	73
	Alfalfa				
Rumen	hay	Negative	quantity of lymphatic system cells	9.72E-05	84
	Alfalfa				
Rumen	hay	Negative	branching of neurons	9.80E-05	87
	Alfalfa				
Rumen	hay	Negative	neurotransmission	9.99E-05	121
	Alfalfa				
Rumen	hay	Negative	cell viability of connective tissue cells	1.00E-04	45
	Alfalfa				
Rumen	hay	Negative	homo-oligomerization of protein	1.00E-04	45
	Alfalfa				
Rumen	hay	Negative	development of phagocytes	1.03E-04	30
	Alfalfa				
Rumen	hay	Negative	apoptosis of endothelial cells	1.05E-04	59
	Alfalfa				
Rumen	hay	Negative	development of abdomen	1.05E-04	165
	Alfalfa				
Rumen	hay	Negative	S phase	1.05E-04	80
	Alfalfa				
Rumen	hay	Negative	Hypertrophy	1.06E-04	137
	Alfalfa				
Rumen	hay	Negative	quantity of muscle	1.07E-04	44
	Alfalfa				
Rumen	hay	Negative	migration of myeloid cells	1.07E-04	54
	Alfalfa				
Rumen	hay	Negative	uptake of carbohydrate	1.08E-04	88
	Alfalfa				
Rumen	hay	Negative	cell death of liver	1.10E-04	74
	Alfalfa				
Rumen	hay	Negative	damage of epithelial tissue	1.10E-04	37
	Alfalfa				
Rumen	hay	Negative	immune response of cells	1.11E-04	163
	Alfalfa				
Rumen	hay	Negative	recruitment of phagocytes	1.13E-04	76
	Alfalfa				
Rumen	hay	Negative	cell movement of muscle cells	1.15E-04	58
	Alfalfa				
Rumen	hay	Negative	morphology of reproductive system	1.19E-04	153
	Alfalfa				
Rumen	hay	Negative	cell death of cancer cells	1.20E-04	90
Rumen	Alfalfa	Negative	entry into S phase	1.21E-04	47

	hay				
	Alfalfa				
Rumen	hay	Negative	cell viability of central nervous system cells	1.22E-04	39
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of reproductive system	1.24E-04	146
	Alfalfa				
Rumen	hay	Negative	transport of synaptic vesicles	1.24E-04	27
	Alfalfa				
Rumen	hay	Negative	morphogenesis of neurites	1.25E-04	122
	Alfalfa				
Rumen	hay	Negative	assembly of protein-protein complex	1.25E-04	60
	Alfalfa				
Rumen	hay	Negative	apoptosis of pheochromocytoma cell lines	1.26E-04	33
	Alfalfa				
Rumen	hay	Negative	autophosphorylation of protein	1.28E-04	52
	Alfalfa				
Rumen	hay	Negative	stress response of cells	1.30E-04	46
	Alfalfa				
Rumen	hay	Negative	morphology of heart ventricle	1.30E-04	61
	Alfalfa				
Rumen	hay	Negative	migration of hepatoma cell lines	1.30E-04	30
	Alfalfa				
Rumen	hay	Negative	shape change of neurons	1.32E-04	88
	Alfalfa				
Rumen	hay	Negative	replication of RNA virus	1.36E-04	145
	Alfalfa				
Rumen	hay	Negative	quantity of muscle cells	1.39E-04	40
	Alfalfa				
Rumen	hay	Negative	craniofacial abnormality	1.40E-04	105
	Alfalfa				
Rumen	hay	Negative	astrocytosis of hippocampus	1.41E-04	9
	Alfalfa				
Rumen	hay	Negative	ion homeostasis of cells	1.47E-04	158
	Alfalfa				
Rumen	hay	Negative	permeability of cells	1.48E-04	35
	Alfalfa				
Rumen	hay	Negative	cell movement of vascular smooth muscle cells	1.48E-04	39
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of endothelial tissue	1.49E-04	25
	Alfalfa				
Rumen	hay	Negative	influx of cation	1.49E-04	61
	Alfalfa				
Rumen	hay	Negative	degeneration of central nervous system	1.52E-04	44
Rumen	Alfalfa	Negative	necrosis of liver	1.54E-04	73

	hay				
	Alfalfa				
Rumen	hay	Negative	sensory system development	1.56E-04	38
	Alfalfa				
Rumen	hay	Negative	quantity of phagocytes	1.56E-04	123
	Alfalfa				
Rumen	hay	Negative	recruitment of antigen presenting cells	1.57E-04	41
	Alfalfa				
Rumen	hay	Negative	cell movement of neutrophils	1.63E-04	89
	Alfalfa				
Rumen	hay	Negative	transmigration of cells	1.63E-04	51
	Alfalfa				
Rumen	hay	Negative	growth of embryonic tissue	1.64E-04	83
	Alfalfa				
Rumen	hay	Negative	apoptosis of cerebral cortex cells	1.64E-04	37
	Alfalfa				
Rumen	hay	Negative	vascularization of body region	1.66E-04	45
	Alfalfa				
Rumen	hay	Negative	synthesis of carbohydrate	1.69E-04	123
	Alfalfa				
Rumen	hay	Negative	apoptosis of kidney cell lines	1.73E-04	73
	Alfalfa				
Rumen	hay	Negative	concentration of phospholipid	1.75E-04	58
	Alfalfa				
Rumen	hay	Negative	degeneration of brain	1.75E-04	42
	Alfalfa				
Rumen	hay	Negative	shape change of tumor cell lines	1.78E-04	50
	Alfalfa				
Rumen	hay	Negative	peripheral vascular disease	1.82E-04	111
	Alfalfa				
Rumen	hay	Negative	function of heart	1.90E-04	71
	Alfalfa				
Rumen	hay	Negative	binding of DNA	1.96E-04	148
	Alfalfa				
Rumen	hay	Negative	hydrolysis of phospholipid	1.96E-04	43
	Alfalfa				
Rumen	hay	Negative	benign neoplasia	2.02E-04	252
	Alfalfa				
Rumen	hay	Negative	size of lesion	2.02E-04	77
	Alfalfa				
Rumen	hay	Negative	morphogenesis of axons	2.15E-04	30
	Alfalfa				
Rumen	hay	Negative	atrophy of muscle	2.15E-04	48
Rumen	Alfalfa	Negative	cell death of skin	2.15E-04	36

	hay				
	Alfalfa				
Rumen	hay	Negative	formation of filopodia	2.15E-04	53
	Alfalfa				
Rumen	hay	Negative	atherogenesis	2.16E-04	29
	Alfalfa				
Rumen	hay	Negative	development of sensory organ	2.17E-04	159
	Alfalfa				
Rumen	hay	Negative	hyperesthesia	2.17E-04	39
	Alfalfa				
Rumen	hay	Negative	cell death of liver cells	2.24E-04	61
	Alfalfa				
Rumen	hay	Negative	cell death of hepatoma cell lines	2.25E-04	54
	Alfalfa				
Rumen	hay	Negative	length of cells	2.25E-04	35
	Alfalfa				
Rumen	hay	Negative	apoptosis of hepatoma cell lines	2.29E-04	49
	Alfalfa		abnormal morphology of vascular endothelial		
Rumen	hay	Negative	cells	2.33E-04	18
	Alfalfa				
Rumen	hay	Negative	infection of cells	2.38E-04	219
	Alfalfa				
Rumen	hay	Negative	replication of virus	2.40E-04	158
	Alfalfa				
Rumen	hay	Negative	proliferation of myeloid cells	2.45E-04	40
	Alfalfa				
Rumen	hay	Negative	apoptosis of lymphoma cell lines	2.46E-04	56
	Alfalfa				
Rumen	hay	Negative	cell death of embryonic cell lines	2.46E-04	73
	Alfalfa				
Rumen	hay	Negative	apoptosis of cortical neurons	2.66E-04	31
	Alfalfa				
Rumen	hay	Negative	morphology of vascular endothelial cells	2.72E-04	21
	Alfalfa				
Rumen	hay	Negative	apoptosis of mononuclear leukocytes	2.72E-04	104
	Alfalfa				
Rumen	hay	Negative	cell death of stem cells	2.72E-04	30
	Alfalfa				
Rumen	hay	Negative	metabolism of phospholipid	2.73E-04	71
	Alfalfa				
Rumen	hay	Negative	apoptosis of lymphocytes	2.86E-04	101
	Alfalfa				
Rumen	hay	Negative	quantity of metal	3.02E-04	141
Rumen	Alfalfa	Negative	abnormal morphology of digestive system	3.03E-04	153

	hay				
	Alfalfa				
Rumen	hay	Negative	cell death of sarcoma cell lines	3.03E-04	69
	Alfalfa				
Rumen	hay	Negative	entry into interphase	3.18E-04	49
	Alfalfa				
Rumen	hay	Negative	infection of embryonic cell lines	3.18E-04	82
	Alfalfa				
Rumen	hay	Negative	infection of epithelial cell lines	3.18E-04	82
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of heart ventricle	3.18E-04	55
	Alfalfa				
Rumen	hay	Negative	adhesion of tumor cell lines	3.51E-04	85
	Alfalfa				
Rumen	hay	Negative	Edema	3.55E-04	100
	Alfalfa				
Rumen	hay	Negative	cell movement of carcinoma cell lines	3.56E-04	63
	Alfalfa				
Rumen	hay	Negative	apoptosis of microglia	3.56E-04	11
	Alfalfa				
Rumen	hay	Negative	entrance of Ca ²⁺	3.64E-04	28
	Alfalfa				
Rumen	hay	Negative	contractility of heart	3.70E-04	55
	Alfalfa				
Rumen	hay	Negative	proliferation of epithelial cells	3.71E-04	139
	Alfalfa				
Rumen	hay	Negative	development of connective tissue	3.71E-04	107
	Alfalfa				
Rumen	hay	Negative	synaptic transmission of nervous tissue	3.71E-04	37
	Alfalfa				
Rumen	hay	Negative	migration of muscle cells	3.73E-04	52
	Alfalfa				
Rumen	hay	Negative	connective or soft tissue tumor	3.78E-04	194
	Alfalfa				
Rumen	hay	Negative	biosynthesis of polyunsaturated fatty acids	3.82E-04	68
	Alfalfa				
Rumen	hay	Negative	cell viability of brain cells	3.84E-04	33
	Alfalfa				
Rumen	hay	Negative	long-term potentiation	3.97E-04	73
	Alfalfa				
Rumen	hay	Negative	activation of neuroglia	3.97E-04	43
	Alfalfa				
Rumen	hay	Negative	neurodegeneration of cerebral cortex	4.15E-04	22
Rumen	Alfalfa	Negative	arrest in proliferation of cells	4.16E-04	65

	hay				
	Alfalfa				
Rumen	hay	Negative	influx of inorganic cation	4.18E-04	59
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of embryonic tissue	4.33E-04	153
	Alfalfa				
Rumen	hay	Negative	neurodegeneration of axons	4.39E-04	30
	Alfalfa				
Rumen	hay	Negative	morphology of digestive system	4.39E-04	159
	Alfalfa				
Rumen	hay	Negative	serous neoplasm	4.42E-04	169
	Alfalfa				
Rumen	hay	Negative	branching of axons	4.51E-04	29
	Alfalfa				
Rumen	hay	Negative	release of L-amino acid	4.51E-04	29
	Alfalfa				
Rumen	hay	Negative	cognitive impairment	4.52E-04	96
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of abdomen	4.52E-04	237
	Alfalfa				
Rumen	hay	Negative	formation of lung	4.57E-04	88
	Alfalfa				
Rumen	hay	Negative	activation of central nervous system cells	4.60E-04	28
	Alfalfa				
Rumen	hay	Negative	development of antigen presenting cells	4.64E-04	25
	Alfalfa				
Rumen	hay	Negative	abnormal morphology of muscle	4.79E-04	92
	Alfalfa				
Rumen	hay	Negative	cell spreading of tumor cell lines	4.80E-04	36
	Alfalfa				
Rumen	hay	Negative	autosomal recessive disease	4.88E-04	248
	Alfalfa				
Rumen	hay	Negative	function of antigen presenting cells	4.96E-04	73
	Alfalfa				
Rumen	hay	Negative	release of neurotransmitter	5.01E-04	49
	Alfalfa				
Rumen	hay	Negative	binding of filaments	5.11E-04	18
	Alfalfa				
Rumen	hay	Negative	targeting of protein	5.12E-04	42
	Alfalfa				
Rumen	hay	Negative	migration of vascular smooth muscle cells	5.12E-04	35
	Alfalfa				
Rumen	hay	Negative	morphology of blood cells	5.16E-04	118
Rumen	Alfalfa	Negative	morphology of nervous system	5.20E-04	213

	hay				
	Alfalfa				
Rumen	hay	Negative	apoptosis of dermal cells	5.21E-04	31
	Alfalfa				
Rumen	hay	Negative	differentiation of connective tissue cells	5.23E-04	177
	Alfalfa				
Rumen	hay	Negative	quantity of metal ion	5.45E-04	125
	Alfalfa				
Rumen	hay	Negative	flux of cation	5.47E-04	89
	Alfalfa				
Rumen	hay	Negative	migration of fibroblast cell lines	5.51E-04	43
	Alfalfa				
Rumen	hay	Negative	transport of vesicles	5.56E-04	41
	Alfalfa				
Rumen	hay	Negative	function of lymphocytes	5.72E-04	98
	Alfalfa				
Rumen	hay	Negative	cell death of dermal cells	5.81E-04	33
	Alfalfa				
Rumen	hay	Negative	infection of kidney cell lines	5.86E-04	83
	Alfalfa				
Rumen	hay	Negative	function of synapse	5.92E-04	10
	Alfalfa				
Rumen	hay	Negative	differentiation of T lymphocytes	6.05E-04	108
	Alfalfa				
Rumen	hay	Negative	juvenile rheumatoid arthritis	6.06E-04	40
	Alfalfa				
Rumen	hay	Negative	engulfment of leukocytes	6.06E-04	50
	Alfalfa				
Rumen	hay	Negative	congenital anomaly of cardiovascular system	6.07E-04	68
	Alfalfa				
Rumen	hay	Negative	differentiation of lymphocytes	6.09E-04	139
	Alfalfa				
Rumen	hay	Negative	transport of carbohydrate	6.09E-04	59
	Alfalfa				
Rumen	hay	Negative	apoptosis of skin	6.09E-04	32
	Alfalfa				
Rumen	hay	Negative	invasion of tumor	6.11E-04	72
	Alfalfa				
Rumen	hay	Negative	proliferation of myeloid progenitor cells	6.11E-04	17
	Alfalfa				
Rumen	hay	Negative	sarcoma	6.14E-04	117
	Alfalfa				
Rumen	hay	Negative	flux of ion	6.15E-04	93
Rumen	Alfalfa	Negative	formation of muscle cells	6.24E-04	55

	hay				
	Alfalfa				
Rumen	hay	Negative	cell death of leukemia cell lines	6.24E-04	92
	Alfalfa				
Rumen	hay	Negative	atherosclerotic lesion	6.31E-04	48
	Rice				
Rumen	straw	Positive	proliferation of cells	1.63E-34	1224
	Rice				
Rumen	straw	Positive	organismal death	1.06E-33	850
	Rice				
Rumen	straw	Positive	morbidity or mortality	3.21E-33	857
	Rice				
Rumen	straw	Positive	malignant solid tumor	5.86E-32	3030
	Rice				
Rumen	straw	Positive	cancer	1.60E-31	3060
	Rice				
Rumen	straw	Positive	cell death	4.08E-23	1068
	Rice				
Rumen	straw	Positive	morphology of cells	8.90E-22	668
	Rice				
Rumen	straw	Positive	necrosis	1.49E-21	846
	Rice				
Rumen	straw	Positive	apoptosis	3.35E-21	864
	Rice				
Rumen	straw	Positive	tumorigenesis of tissue	6.28E-21	2555
	Rice				
Rumen	straw	Positive	epithelial cancer	1.30E-20	2494
	Rice				
Rumen	straw	Positive	neoplasia of epithelial tissue	2.04E-20	2514
	Rice				
Rumen	straw	Positive	expression of RNA	2.04E-20	719
	Rice				
Rumen	straw	Positive	transcription	3.63E-20	674
	Rice				
Rumen	straw	Positive	abdominal neoplasm	3.57E-19	2489
	Rice				
Rumen	straw	Positive	transport of molecule	5.24E-19	557
	Rice				
Rumen	straw	Positive	organization of cytoplasm	6.52E-19	533
	Rice				
Rumen	straw	Positive	transcription of RNA	1.79E-18	626
	Rice				
Rumen	straw	Positive	abdominal cancer	3.66E-18	2456
Rumen	Rice	Positive	cell movement	2.03E-17	698

	straw				
	Rice				
Rumen	straw	Positive	migration of cells	4.88E-16	627
	Rice				
Rumen	straw	Positive	cell death of tumor cell lines	8.04E-16	517
	Rice				
Rumen	straw	Positive	organization of organelle	1.07E-15	214
	Rice				
Rumen	straw	Positive	cell death of connective tissue cells	8.53E-15	232
	Rice				
Rumen	straw	Positive	differentiation of cells	2.58E-14	716
	Rice				
Rumen	straw	Positive	vasculogenesis	2.84E-14	273
	Rice				
Rumen	straw	Positive	organization of cytoskeleton	3.14E-14	471
	Rice				
Rumen	straw	Positive	apoptosis of tumor cell lines	3.14E-14	417
	Rice				
Rumen	straw	Positive	angiogenesis	4.42E-14	325
	Rice				
Rumen	straw	Positive	cell survival	5.73E-14	469
	Rice				
Rumen	straw	Positive	quantity of cells	9.40E-14	576
	Rice				
Rumen	straw	Positive	digestive system cancer	9.40E-14	2120
	Rice				
Rumen	straw	Positive	cell viability	1.39E-13	440
	Rice				
Rumen	straw	Positive	digestive organ tumor	1.85E-13	2136
	Rice				
Rumen	straw	Positive	Movement Disorders	3.50E-13	367
	Rice				
Rumen	straw	Positive	transcription of DNA	5.97E-13	505
	Rice				
Rumen	straw	Positive	growth of organism	2.58E-12	296
	Rice				
Rumen	straw	Positive	synthesis of lipid	5.90E-12	257
	Rice				
Rumen	straw	Positive	Viral Infection	7.88E-12	521
	Rice				
Rumen	straw	Positive	microtubule dynamics	9.44E-12	397
	Rice				
Rumen	straw	Positive	invasion of cells	2.53E-11	302
Rumen	Rice	Positive	cellular homeostasis	2.77E-11	492

	straw				
	Rice				
Rumen	straw	Positive	abnormal morphology of cells	3.15E-11	418
	Rice				
Rumen	straw	Positive	growth of connective tissue	3.60E-11	232
	Rice				
Rumen	straw	Positive	development of body trunk	4.55E-11	374
	Rice				
Rumen	straw	Positive	congenital anomaly of musculoskeletal system	4.55E-11	260
	Rice				
Rumen	straw	Positive	proliferation of tumor cell lines	4.85E-11	498
	Rice				
Rumen	straw	Positive	proliferation of connective tissue cells	5.95E-11	215
	Rice				
Rumen	straw	Positive	interphase	9.36E-11	234
	Rice				
Rumen	straw	Positive	morphology of cardiovascular system	1.34E-10	222
	Rice				
Rumen	straw	Positive	transactivation	1.34E-10	209
	Rice				
Rumen	straw	Positive	size of body	2.06E-10	292
	Rice				
Rumen	straw	Positive	cell death of fibroblasts	2.18E-10	107
	Rice				
Rumen	straw	Positive	morphology of body cavity	2.19E-10	393
	Rice				
Rumen	straw	Positive	growth of embryo	2.45E-10	176
	Rice				
Rumen	straw	Positive	invasion of tumor cell lines	2.46E-10	235
	Rice				
Rumen	straw	Positive	function of leukocytes	4.83E-10	194
	Rice				
Rumen	straw	Positive	cell cycle progression	5.53E-10	348
	Rice				
Rumen	straw	Positive	phosphorylation of protein	5.53E-10	255
	Rice				
Rumen	straw	Positive	apoptosis of connective tissue cells	6.39E-10	116
	Rice				
Rumen	straw	Positive	protein kinase cascade	1.09E-09	156
	Rice				
Rumen	straw	Positive	perinatal death	1.40E-09	210
	Rice				
Rumen	straw	Positive	formation of cytoskeleton	1.49E-09	141
Rumen	Rice	Positive	activation of DNA endogenous promoter	1.50E-09	393

	straw				
	Rice				
Rumen	straw	Positive	quantity of leukocytes	1.61E-09	307
	Rice				
Rumen	straw	Positive	function of blood cells	1.89E-09	207
	Rice				
Rumen	straw	Positive	cell movement of tumor cell lines	4.02E-09	286
	Rice				
Rumen	straw	Positive	formation of cellular protrusions	4.25E-09	301
	Rice				
Rumen	straw	Positive	development of vasculature	4.25E-09	153
	Rice				
Rumen	straw	Positive	migration of tumor cell lines	4.98E-09	242
	Rice				
Rumen	straw	Positive	congenital malformation of skeleton	5.29E-09	154
	Rice				
Rumen	straw	Positive	quantity of blood cells	5.29E-09	337
	Rice				
Rumen	straw	Positive	concentration of lipid	5.84E-09	273
	Rice				
Rumen	straw	Positive	growth of epithelial tissue	7.80E-09	233
	Rice				
Rumen	straw	Positive	craniofacial abnormality	8.22E-09	132
	Rice				
Rumen	straw	Positive	uptake of carbohydrate	8.31E-09	111
	Rice				
Rumen	straw	Positive	transactivation of RNA	8.31E-09	191
	Rice				
Rumen	straw	Positive	morphology of nervous system	8.41E-09	264
	Rice				
Rumen	straw	Positive	metabolism of membrane lipid derivative	8.64E-09	142
	Rice				
Rumen	straw	Positive	abnormal morphology of thoracic cavity	9.39E-09	204
	Rice				
Rumen	straw	Positive	abnormal morphology of nervous system	9.68E-09	246
	Rice				
Rumen	straw	Positive	secretory pathway	1.06E-08	80
	Rice				
Rumen	straw	Positive	learning	1.21E-08	151
	Rice				
Rumen	straw	Positive	necrosis of epithelial tissue	1.31E-08	204
	Rice				
Rumen	straw	Positive	cell movement of fibroblasts	1.47E-08	75
Rumen	Rice	Positive	quantity of connective tissue	1.53E-08	208

	straw				
	Rice				
Rumen	straw	Positive	cognition	1.56E-08	162
	Rice				
Rumen	straw	Positive	abnormal morphology of body cavity	1.65E-08	367
	Rice				
Rumen	straw	Positive	cell death of cervical cancer cell lines	1.94E-08	129
	Rice				
Rumen	straw	Positive	abdominal adenocarcinoma	2.26E-08	1670
	Rice				
Rumen	straw	Positive	proliferation of hematopoietic progenitor cells	2.50E-08	94
	Rice				
Rumen	straw	Positive	mitosis	2.90E-08	174
	Rice				
Rumen	straw	Positive	ubiquitination	2.90E-08	124
	Rice				
Rumen	straw	Positive	apoptosis of fibroblast cell lines	3.37E-08	121
	Rice				
Rumen	straw	Positive	quantity of lymphocytes	3.48E-08	238
	Rice				
Rumen	straw	Positive	degeneration of cells	3.51E-08	126
	Rice				
Rumen	straw	Positive	uptake of monosaccharide	3.51E-08	102
	Rice				
Rumen	straw	Positive	development of cytoplasm	3.51E-08	163
	Rice				
Rumen	straw	Positive	Growth Failure	3.51E-08	205
	Rice				
Rumen	straw	Positive	ubiquitination of protein	3.55E-08	122
	Rice				
Rumen	straw	Positive	neuromuscular disease	3.55E-08	290
	Rice				
Rumen	straw	Positive	proliferation of neuronal cells	3.66E-08	198
	Rice				
Rumen	straw	Positive	fibrogenesis	3.74E-08	147
	Rice				
Rumen	straw	Positive	abnormal morphology of cardiovascular system	4.56E-08	195
	Rice				
Rumen	straw	Positive	accumulation of lipid	4.94E-08	111
	Rice				
Rumen	straw	Positive	adenocarcinoma	5.49E-08	1823
	Rice				
Rumen	straw	Positive	formation of cells	5.80E-08	318
Rumen	Rice	Positive	quantity of mononuclear leukocytes	6.24E-08	245

	straw				
	Rice				
Rumen	straw	Positive	morphology of heart	7.91E-08	144
	Rice				
Rumen	straw	Positive	neurological signs	9.22E-08	219
	Rice				
Rumen	straw	Positive	cell death of epithelial cells	9.32E-08	172
	Rice				
Rumen	straw	Positive	cell viability of tumor cell lines	9.39E-08	257
	Rice				
Rumen	straw	Positive	vascularization	9.72E-08	90
	Rice				
Rumen	straw	Positive	degeneration of nervous system	1.19E-07	106
	Rice				
Rumen	straw	Positive	development of cardiovascular tissue	1.23E-07	132
	Rice				
Rumen	straw	Positive	cellular degradation	1.84E-07	95
	Rice				
Rumen	straw	Positive	morphology of head	1.90E-07	284
	Rice				
Rumen	straw	Positive	formation of filaments	2.02E-07	140
	Rice				
Rumen	straw	Positive	S phase	2.03E-07	97
	Rice				
Rumen	straw	Positive	autosomal recessive disease	2.06E-07	297
	Rice				
Rumen	straw	Positive	degeneration of neurons	2.08E-07	90
	Rice				
Rumen	straw	Positive	proliferation of hematopoietic cells	2.13E-07	95
	Rice				
Rumen	straw	Positive	Huntington's Disease	2.25E-07	194
	Rice				
Rumen	straw	Positive	Organ Degeneration	2.60E-07	169
	Rice				
Rumen	straw	Positive	dyskinesia	3.28E-07	206
	Rice				
Rumen	straw	Positive	binding of DNA	3.28E-07	177
	Rice				
Rumen	straw	Positive	cell movement of connective tissue cells	3.51E-07	84
	Rice				
Rumen	straw	Positive	cell death of epithelial cell lines	3.65E-07	103
	Rice				
Rumen	straw	Positive	disorder of basal ganglia	4.33E-07	250
Rumen	Rice	Positive	development of blood cells	4.60E-07	216

	straw				
	Rice				
Rumen	straw	Positive	seizures	4.66E-07	139
	Rice				
Rumen	straw	Positive	development of epithelial tissue	4.69E-07	175
	Rice				
Rumen	straw	Positive	abnormal morphology of head	4.80E-07	269
	Rice				
Rumen	straw	Positive	apoptosis of fibroblasts	5.30E-07	82
	Rice				
Rumen	straw	Positive	migration of connective tissue cells	5.95E-07	70
	Rice				
Rumen	straw	Positive	exocytosis	5.95E-07	73
	Rice				
Rumen	straw	Positive	synthesis of DNA	6.24E-07	144
	Rice				
Rumen	straw	Positive	proliferation of fibroblasts	6.97E-07	124
	Rice				
Rumen	straw	Positive	congenital encephalopathy	7.26E-07	108
	Rice				
Rumen	straw	Positive	abdominal carcinoma	7.55E-07	1676
	Rice				
Rumen	straw	Positive	genital tumor	8.13E-07	1154
	Rice				
Rumen	straw	Positive	Neurodegeneration	8.81E-07	110
	Rice				
Rumen	straw	Positive	congenital malformation of brain	8.84E-07	107
	Rice				
Rumen	straw	Positive	uptake of D-hexose	8.91E-07	83
	Rice				
Rumen	straw	Positive	replication of virus	9.48E-07	187
	Rice				
Rumen	straw	Positive	female genital neoplasm	9.74E-07	1022
	Rice				
Rumen	straw	Positive	development of leukocytes	1.06E-06	195
	Rice				
Rumen	straw	Positive	uptake of D-glucose	1.09E-06	82
	Rice				
Rumen	straw	Positive	cell death of fibroblast cell lines	1.11E-06	146
	Rice				
Rumen	straw	Positive	growth of embryonic tissue	1.11E-06	99
	Rice				
Rumen	straw	Positive	replication of RNA virus	1.11E-06	170
Rumen	Rice	Positive	seizure disorder	1.12E-06	159

	straw					
	Rice					
Rumen	straw	Positive	apoptosis of cervical cancer cell lines	1.16E-06	101	
	Rice					
Rumen	straw	Positive	development of endothelial tissue	1.24E-06	127	
	Rice					
Rumen	straw	Positive	cell movement of endothelial cells	1.40E-06	123	
	Rice					
Rumen	straw	Positive	endothelial cell development	1.40E-06	123	
	Rice					
Rumen	straw	Positive	development of connective tissue	1.74E-06	128	
	Rice					
Rumen	straw	Positive	neuritogenesis	1.95E-06	192	
	Rice					
Rumen	straw	Positive	vascularization of body region	2.04E-06	54	
	Rice					
Rumen	straw	Positive	gastrointestinal tract cancer	2.04E-06	1422	
	Rice					
Rumen	straw	Positive	cell transformation	2.10E-06	155	
	Rice					
Rumen	straw	Positive	growth of lesion	2.15E-06	255	
	Rice					
Rumen	straw	Positive	cell movement of leukocytes	2.16E-06	246	
	Rice					
Rumen	straw	Positive	differentiation of epithelial tissue	2.22E-06	124	
	Rice					
Rumen	straw	Positive	hepatocellular carcinoma	2.24E-06	1188	
	Rice					
Rumen	straw	Positive	development of lymphatic system	2.35E-06	123	
	Rice					
Rumen	straw	Positive	gastrointestinal carcinoma	2.38E-06	1280	
	Rice					
Rumen	straw	Positive	morphology of respiratory system	2.43E-06	109	
	Rice					
Rumen	straw	Positive	formation of skin	2.48E-06	126	
	Rice					
Rumen	straw	Positive	growth of tumor	2.66E-06	254	
	Rice					
Rumen	straw	Positive	migration of fibroblasts	2.70E-06	56	
	Rice					
Rumen	straw	Positive	cell spreading	2.84E-06	98	
	Rice					
Rumen	straw	Positive	proliferation of epithelial cells	2.84E-06	164	
Rumen	Rice	Positive	development of abdomen	2.88E-06	190	

	straw				
	Rice				
Rumen	straw	Positive	morphology of bone	2.99E-06	151
	Rice				
Rumen	straw	Positive	proliferation of blood cells	3.03E-06	267
	Rice				
Rumen	straw	Positive	metabolism of carbohydrate	3.34E-06	202
	Rice				
Rumen	straw	Positive	abnormal morphology of respiratory system	3.57E-06	107
	Rice				
Rumen	straw	Positive	cell movement of blood cells	3.66E-06	276
	Rice				
Rumen	straw	Positive	differentiation of tumor cell lines	3.75E-06	129
	Rice				
Rumen	straw	Positive	midline defect	4.02E-06	94
	Rice				
Rumen	straw	Positive	migration of blood cells	4.24E-06	275
	Rice				
Rumen	straw	Positive	growth of muscle tissue	4.27E-06	127
	Rice				
Rumen	straw	Positive	formation of actin filaments	4.30E-06	106
	Rice				
Rumen	straw	Positive	proliferation of endothelial cells	4.38E-06	108
	Rice				
Rumen	straw	Positive	abnormal morphology of heart	4.41E-06	130
	Rice				
Rumen	straw	Positive	formation of plasma membrane projections	4.47E-06	194
	Rice				
Rumen	straw	Positive	transport of protein	4.49E-06	105
	Rice				
Rumen	straw	Positive	arthritis	4.53E-06	293
	Rice				
Rumen	straw	Positive	formation of lymphatic system component	4.60E-06	102
	Rice				
Rumen	straw	Positive	quantity of glycosphingolipid	4.60E-06	41
	Rice				
Rumen	straw	Positive	hepatobiliary system cancer	4.67E-06	1226
	Rice				
Rumen	straw	Positive	migration of endothelial cells	4.70E-06	113
	Rice				
Rumen	straw	Positive	proliferation of muscle cells	4.97E-06	126
	Rice				
Rumen	straw	Positive	concentration of phospholipid	5.04E-06	68
Rumen	Rice	Positive	leukocyte migration	5.04E-06	274

	straw					
	Rice					
Rumen	straw	Positive	development of lymphatic system component	5.12E-06	107	
	Rice					
Rumen	straw	Positive	arthropathy	5.48E-06	297	
	Rice					
Rumen	straw	Positive	morphogenesis of neurons	5.98E-06	142	
	Rice					
Rumen	straw	Positive	synthesis of carbohydrate	5.98E-06	142	
	Rice					
Rumen	straw	Positive	behavior	6.19E-06	307	
	Rice					
Rumen	straw	Positive	formation of lymphoid organ	6.32E-06	93	
	Rice					
Rumen	straw	Positive	T cell development	7.01E-06	165	
	Rice					
Rumen	straw	Positive	quantity of metal ion	7.30E-06	147	
	Rice					
Rumen	straw	Positive	abnormal morphology of bone	7.54E-06	145	
	Rice					
Rumen	straw	Positive	cell movement of myeloid cells	7.59E-06	176	
	Rice					
Rumen	straw	Positive	survival of organism	7.76E-06	224	
	Rice					
Rumen	straw	Positive	liver cancer	7.90E-06	1218	
	Rice					
Rumen	straw	Positive	formation of actin stress fibers	7.97E-06	85	
	Rice					
Rumen	straw	Positive	differentiation of bone cells	8.00E-06	136	
	Rice					
Rumen	straw	Positive	proliferation of smooth muscle cells	8.04E-06	99	
	Rice					
Rumen	straw	Positive	cell death of blood cells	8.05E-06	221	
	Rice					
Rumen	straw	Positive	cell death of T lymphocytes	8.08E-06	108	
	Rice					
Rumen	straw	Positive	Gastrointestinal Tract Cancer and Tumors	8.13E-06	1436	
	Rice					
Rumen	straw	Positive	abnormal morphology of abdomen	8.13E-06	274	
	Rice					
Rumen	straw	Positive	differentiation of bone	8.16E-06	137	
	Rice					
Rumen	straw	Positive	differentiation of connective tissue cells	8.64E-06	206	
Rumen	Rice	Positive	quantity of carbohydrate	9.16E-06	169	

	straw				
	Rice				
Rumen	straw	Positive	synthesis of nitric oxide	9.35E-06	96
	Rice				
Rumen	straw	Positive	quantity of metal	9.50E-06	163
	Rice				
Rumen	straw	Positive	oxidation of palmitic acid	9.65E-06	24
	Rice				
Rumen	straw	Positive	quantity of B lymphocytes	9.65E-06	117
	Rice				
Rumen	straw	Positive	morphogenesis of neurites	9.81E-06	139
	Rice				
Rumen	straw	Positive	growth of neurites	1.02E-05	152
	Rice				
Rumen	straw	Positive	paraproteinemia	1.03E-05	114
	Rice				
Rumen	straw	Positive	liver tumor	1.05E-05	1224
	Rice				
Rumen	straw	Positive	development of neurons	1.08E-05	246
	Rice				
Rumen	straw	Positive	differentiation of epithelial cells	1.08E-05	107
	Rice				
Rumen	straw	Positive	attachment of cells	1.10E-05	52
	Rice				
Rumen	straw	Positive	sprouting	1.10E-05	129
	Rice				
Rumen	straw	Positive	epileptic seizure	1.12E-05	62
	Rice				
Rumen	straw	Positive	morphology of central nervous system	1.13E-05	167
	Rice				
Rumen	straw	Positive	arrest in interphase	1.15E-05	138
	Rice				
Rumen	straw	Positive	plasticity of synapse	1.16E-05	47
	Rice				
Rumen	straw	Positive	development of digestive system	1.16E-05	128
	Rice				
Rumen	straw	Positive	small GTPase mediated signal transduction	1.22E-05	67
	Rice				
Rumen	straw	Positive	peripheral vascular disease	1.24E-05	127
	Rice				
Rumen	straw	Positive	Edema	1.28E-05	116
	Rice				
Rumen	straw	Positive	secretion of molecule	1.29E-05	178
Rumen	Rice	Positive	export of molecule	1.34E-05	101

	straw				
	Rice				
Rumen	straw	Positive	transport of carbohydrate	1.34E-05	70
	Rice				
Rumen	straw	Positive	breast or colorectal cancer	1.36E-05	1387
	Rice				
Rumen	straw	Positive	tubulation of endothelial cells	1.40E-05	46
	Rice				
Rumen	straw	Positive	immune response of cells	1.42E-05	184
	Rice				
Rumen	straw	Positive	quantity of sphingolipid	1.42E-05	42
	Rice				
Rumen	straw	Positive	colony formation of cells	1.51E-05	160
	Rice				
Rumen	straw	Positive	plasma cell dyscrasia	1.53E-05	113
	Rice				
Rumen	straw	Positive	concentration of fatty acid	1.54E-05	96
	Rice				
Rumen	straw	Positive	apoptosis of epithelial cell lines	1.54E-05	79
	Rice				
Rumen	straw	Positive	homeostasis of blood cells	1.54E-05	179
	Rice				
Rumen	straw	Positive	long-term potentiation	1.57E-05	85
	Rice				
Rumen	straw	Positive	T cell homeostasis	1.59E-05	167
	Rice				
Rumen	straw	Positive	development of lymphocytes	1.65E-05	178
	Rice				
Rumen	straw	Positive	Rheumatic Disease	1.66E-05	329
	Rice				
Rumen	straw	Positive	branching of cells	1.79E-05	123
	Rice				
Rumen	straw	Positive	differentiation of embryonic tissue	1.80E-05	88
	Rice				
Rumen	straw	Positive	development of mononuclear leukocytes	1.83E-05	179
	Rice		abnormal morphology of central nervous		
Rumen	straw	Positive	system	1.83E-05	157
	Rice				
Rumen	straw	Positive	concentration of cholesterol	1.91E-05	99
	Rice				
Rumen	straw	Positive	repair of DNA	1.91E-05	99
	Rice				
Rumen	straw	Positive	homeostasis of leukocytes	1.96E-05	178
Rumen	Rice	Positive	function of myeloid cells	1.99E-05	83

	straw				
	Rice				
Rumen	straw	Positive	stage 3 cancer	1.99E-05	51
	Rice				
Rumen	straw	Positive	differentiation of connective tissue	1.99E-05	229
	Rice				
Rumen	straw	Positive	function of lymphocytes	1.99E-05	114
	Rice				
Rumen	straw	Positive	gonadal tumor	1.99E-05	255
	Rice				
Rumen	straw	Positive	Lymphocyte homeostasis	2.00E-05	175
	Rice				
Rumen	straw	Positive	benign neoplasia	2.08E-05	285
	Rice				
Rumen	straw	Positive	outgrowth of neurites	2.12E-05	133
	Rice				
Rumen	straw	Positive	development of reproductive system	2.16E-05	231
	Rice		metabolism of nucleic acid component or		
Rumen	straw	Positive	derivative	2.25E-05	167
	Rice				
Rumen	straw	Positive	proliferation of embryonic cells	2.25E-05	86
	Rice				
Rumen	straw	Positive	binding of protein binding site	2.26E-05	98
	Rice				
Rumen	straw	Positive	infection by RNA virus	2.26E-05	268
	Rice				
Rumen	straw	Positive	apoptosis of blood cells	2.31E-05	160
	Rice				
Rumen	straw	Positive	abnormal morphology of epithelial tissue	2.43E-05	137
	Rice				
Rumen	straw	Positive	cell death of tumor	2.46E-05	126
	Rice				
Rumen	straw	Positive	multiple congenital anomalies	2.51E-05	138
	Rice				
Rumen	straw	Positive	cell death of immune cells	2.52E-05	208
	Rice				
Rumen	straw	Positive	cell death of lymphocytes	2.55E-05	127
	Rice				
Rumen	straw	Positive	neonatal death	2.64E-05	143
	Rice				
Rumen	straw	Positive	homing of cells	2.70E-05	178
	Rice				
Rumen	straw	Positive	tumorigenesis of genital organ	2.72E-05	1101
Rumen	Rice	Positive	cell death of thymocytes	3.00E-05	55

	straw				
	Rice				
Rumen	straw	Positive	metabolism of nucleoside triphosphate	3.01E-05	52
	Rice				
Rumen	straw	Positive	development of genitourinary system	3.15E-05	273
	Rice				
Rumen	straw	Positive	polyarticular juvenile rheumatoid arthritis	3.18E-05	36
	Rice				
Rumen	straw	Positive	cell death of mononuclear leukocytes	3.18E-05	130
	Rice				
Rumen	straw	Positive	differentiation of embryonic cells	3.18E-05	79
	Rice				
Rumen	straw	Positive	metabolism of protein	3.29E-05	297
	Rice				
Rumen	straw	Positive	neovascularization	3.42E-05	59
	Rice				
Rumen	straw	Positive	recruitment of antigen presenting cells	3.42E-05	46
	Rice				
Rumen	straw	Positive	fatty acid metabolism	3.42E-05	190
	Rice				
Rumen	straw	Positive	peripheral arterial disease	3.42E-05	74
	Rice				
Rumen	straw	Positive	synthesis of steroid	3.48E-05	88
	Rice				
Rumen	straw	Positive	tubulation of cells	3.64E-05	54
	Rice				
Rumen	straw	Positive	colon cancer	3.70E-05	1042
	Rice				
Rumen	straw	Positive	colony formation	3.70E-05	171
	Rice				
Rumen	straw	Positive	organization of filaments	3.71E-05	72
	Rice				
Rumen	straw	Positive	proliferation of immune cells	3.89E-05	245
	Rice				
Rumen	straw	Positive	Encephalitis	3.96E-05	99
	Rice				
Rumen	straw	Positive	oxidation of long chain fatty acid	3.97E-05	29
	Rice				
Rumen	straw	Positive	intestinal tumor	4.06E-05	1218
	Rice				
Rumen	straw	Positive	neuronal cell death	4.08E-05	213
	Rice				
Rumen	straw	Positive	blood protein disorder	4.08E-05	123
Rumen	Rice	Positive	tumorigenesis of reproductive tract	4.09E-05	965

	straw				
	Rice				
Rumen	straw	Positive	cell death of neuroblastoma cell lines	4.35E-05	68
	Rice				
Rumen	straw	Positive	cartilage development	4.42E-05	53
	Rice				
Rumen	straw	Positive	inflammation of central nervous system	4.43E-05	101
	Rice				
Rumen	straw	Positive	intestinal cancer	4.48E-05	1200
	Rice				
Rumen	straw	Positive	quantity of T lymphocytes	4.68E-05	170
	Rice				
Rumen	straw	Positive	concentration of sterol	4.69E-05	102
	Rice				
Rumen	straw	Positive	tumorigenesis of gonad	4.72E-05	249
	Rice				
Rumen	straw	Positive	cell movement of phagocytes	4.96E-05	174
	Rice				
Rumen	straw	Positive	cell movement of muscle cells	5.00E-05	64
	Rice				
Rumen	straw	Positive	cell death of breast cancer cell lines	5.01E-05	110
	Rice				
Rumen	straw	Positive	proliferation of embryonic cell lines	5.03E-05	57
	Rice				
Rumen	straw	Positive	colorectal neoplasia	5.12E-05	1213
	Rice				
Rumen	straw	Positive	neoplasia of colon	5.12E-05	1043
	Rice				
Rumen	straw	Positive	necrosis of tumor	5.18E-05	124
	Rice				
Rumen	straw	Positive	apoptosis of neuroblastoma cell lines	5.19E-05	46
	Rice				
Rumen	straw	Positive	colorectal cancer	5.29E-05	1197
	Rice				
Rumen	straw	Positive	homing	5.33E-05	181
	Rice				
Rumen	straw	Positive	memory	5.38E-05	87
	Rice				
Rumen	straw	Positive	tumorigenesis of intestine	5.40E-05	1045
	Rice				
Rumen	straw	Positive	quantity of Ca ²⁺	5.47E-05	132
	Rice				
Rumen	straw	Positive	branching of neurites	5.55E-05	93
Rumen	Rice	Positive	infection by Retroviridae	5.55E-05	223

	straw				
	Rice				
Rumen	straw	Positive	biosynthesis of nucleoside triphosphate	5.58E-05	41
	Rice				
Rumen	straw	Positive	movement of vascular endothelial cells	5.78E-05	64
	Rice				
Rumen	straw	Positive	epilepsy	5.82E-05	102
	Rice				
Rumen	straw	Positive	colorectal carcinoma	6.06E-05	1040
	Rice				
Rumen	straw	Positive	activation of enzyme	6.07E-05	126
	Rice				
Rumen	straw	Positive	apoptosis of embryonic cells	6.07E-05	38
	Rice				
Rumen	straw	Positive	colon tumor	6.07E-05	1045
	Rice				
Rumen	straw	Positive	abnormal morphology of embryonic tissue	6.07E-05	173
	Rice				
Rumen	straw	Positive	chemotaxis of cells	6.07E-05	167
	Rice				
Rumen	straw	Positive	concentration of acylglycerol	6.07E-05	110
	Rice				
Rumen	straw	Positive	serous neoplasm	6.23E-05	191
	Rice				
Rumen	straw	Positive	metabolism of triacylglycerol	6.40E-05	39
	Rice				
Rumen	straw	Positive	infection of cells	6.41E-05	245
	Rice				
Rumen	straw	Positive	activation of cells	6.53E-05	296
	Rice				
Rumen	straw	Positive	apoptosis of epithelial cells	7.07E-05	95
	Rice				
Rumen	straw	Positive	outgrowth of cells	7.25E-05	139
	Rice				
Rumen	straw	Positive	cell death of kidney cells	7.26E-05	114
	Rice				
Rumen	straw	Positive	ion homeostasis of cells	7.35E-05	175
	Rice				
Rumen	straw	Positive	development of gastrointestinal tract	7.39E-05	88
	Rice				
Rumen	straw	Positive	proliferation of central nervous system cells	7.47E-05	54
	Rice				
Rumen	straw	Positive	concentration of Ca ²⁺	7.90E-05	47
Rumen	Rice	Positive	Ovarian Cancer and Tumors	7.90E-05	233

	straw				
	Rice				
Rumen	straw	Positive	cell movement of macrophages	7.90E-05	89
	Rice				
Rumen	straw	Positive	morphology of skeleton	7.95E-05	93
	Rice				
Rumen	straw	Positive	biosynthesis of purine ribonucleotide	8.17E-05	39
	Rice				
Rumen	straw	Positive	cell death of kidney cell lines	8.27E-05	100
	Rice				
Rumen	straw	Positive	size of bone	8.46E-05	92
	Rice				
Rumen	straw	Positive	differentiation of smooth muscle	8.63E-05	28
	Rice				
Rumen	straw	Positive	recruitment of phagocytes	8.63E-05	83
	Rice				
Rumen	straw	Positive	morphology of vessel	8.69E-05	101
	Rice				
Rumen	straw	Positive	urogenital cancer	8.78E-05	1239
	Rice				
Rumen	straw	Positive	genital tract cancer	8.93E-05	1085
	Rice				
Rumen	straw	Positive	apoptosis of T lymphocytes	8.93E-05	93
	Rice				
Rumen	straw	Positive	epithelial-mesenchymal transition	9.27E-05	71
	Rice				
Rumen	straw	Positive	cell movement of neutrophils	9.34E-05	98
	Rice				
Rumen	straw	Positive	entry into S phase	9.34E-05	51
	Rice				
Rumen	straw	Positive	encephalomyelitis	9.34E-05	86
	Rice				
Rumen	straw	Positive	infection by lentivirus	9.47E-05	220
	Rice				
Rumen	straw	Positive	cognitive impairment	9.55E-05	108
	Rice				
Rumen	straw	Positive	chemotaxis	9.55E-05	171
	Rice				
Rumen	straw	Positive	maturation of cells	9.78E-05	145
	Rice				
Rumen	straw	Positive	cell movement of smooth muscle cells	9.84E-05	57
	Rice				
Rumen	straw	Positive	cell death of tumor cells	9.85E-05	120
Rumen	Rice	Positive	morphology of reproductive system	9.96E-05	168

	straw				
	Rice				
Rumen	straw	Positive	female genital tract cancer	1.00E-04	954
	Rice				
Rumen	straw	Positive	invasion of prostate cancer cell lines	1.02E-04	39
	Rice				
Rumen	straw	Positive	formation of focal adhesions	1.03E-04	55
	Rice				
Rumen	straw	Positive	cell death of hematopoietic progenitor cells	1.03E-04	77
	Rice				
Rumen	straw	Positive	recruitment of macrophages	1.05E-04	40
	Rice				
Rumen	straw	Positive	differentiation of osteoblasts	1.05E-04	92
	Rice				
Rumen	straw	Positive	abnormal morphology of skeleton	1.05E-04	90
	Rice				
Rumen	straw	Positive	apoptosis of leukocytes	1.05E-04	145
	Rice				
Rumen	straw	Positive	spatial learning	1.06E-04	64
	Rice				
Rumen	straw	Positive	HIV infection	1.06E-04	219
	Rice				
Rumen	straw	Positive	MAPKKK cascade	1.10E-04	70
	Rice				
Rumen	straw	Positive	cell death of embryonic cells	1.12E-04	43
	Rice				
Rumen	straw	Positive	proliferation of myeloid cells	1.13E-04	44
	Rice				
Rumen	straw	Positive	homeostasis of ion	1.13E-04	80
	Rice				
Rumen	straw	Positive	reorganization of cytoskeleton	1.13E-04	66
	Rice				
Rumen	straw	Positive	function of cardiovascular system	1.15E-04	119
	Rice				
Rumen	straw	Positive	transport of monosaccharide	1.18E-04	56
	Rice				
Rumen	straw	Positive	engulfment of cells	1.18E-04	130
	Rice				
Rumen	straw	Positive	Waldenstrom's macroglobulinemia	1.18E-04	65
	Rice				
Rumen	straw	Positive	synthesis of nucleotide	1.18E-04	117
	Rice				
Rumen	straw	Positive	differentiation of muscle	1.20E-04	99
Rumen	Rice	Positive	size of embryo	1.22E-04	115

	straw				
	Rice				
Rumen	straw	Positive	synthesis of terpenoid	1.24E-04	93
	Rice				
Rumen	straw	Positive	morphology of brain	1.30E-04	147
	Rice				
Rumen	straw	Positive	chronic myeloid leukemia	1.30E-04	40
	Rice				
Rumen	straw	Positive	differentiation of dermal cells	1.31E-04	58
	Rice				
Rumen	straw	Positive	growth of lymphatic system component	1.31E-04	66
	Rice				
Rumen	straw	Positive	metabolism of nucleotide	1.32E-04	139
	Rice				
Rumen	straw	Positive	apoptosis of mononuclear leukocytes	1.35E-04	115
	Rice				
Rumen	straw	Positive	organization of cells	1.38E-04	32
	Rice				
Rumen	straw	Positive	cell death of pheochromocytoma cell lines	1.38E-04	44
	Rice				
Rumen	straw	Positive	demyelination	1.38E-04	44
	Rice				
Rumen	straw	Positive	experimental autoimmune encephalomyelitis	1.40E-04	85
	Rice				
Rumen	straw	Positive	mass of organism	1.42E-04	108
	Rice				
Rumen	straw	Positive	necrosis of kidney	1.44E-04	117
	Rice				
Rumen	straw	Positive	development of head	1.53E-04	294
	Rice				
Rumen	straw	Positive	quantity of connective tissue cells	1.55E-04	79
	Rice				
Rumen	straw	Positive	oral cancer	1.61E-04	76
	Rice				
Rumen	straw	Positive	neoplasia of cells	1.62E-04	140
	Rice				
Rumen	straw	Positive	morphology of lymphatic system component	1.64E-04	132
	Rice				
Rumen	straw	Positive	organization of cellular membrane	1.66E-04	48
	Rice				
Rumen	straw	Positive	cell death of embryonic cell lines	1.67E-04	80
	Rice				
Rumen	straw	Positive	I-kappaB kinase/NF-kappaB cascade	1.68E-04	60
Rumen	Rice	Positive	cell death of lymphoid organ	1.68E-04	60

	straw				
	Rice				
Rumen	straw	Positive	vascularization of eye	1.68E-04	43
	Rice				
Rumen	straw	Positive	exencephaly	1.68E-04	45
	Rice				
Rumen	straw	Positive	function of T lymphocytes	1.68E-04	86
	Rice				
Rumen	straw	Positive	proliferation of fibroblast cell lines	1.69E-04	134
	Rice				
Rumen	straw	Positive	respiratory system development	1.69E-04	110
	Rice				
Rumen	straw	Positive	cell death of hematopoietic cells	1.75E-04	79
	Rice				
Rumen	straw	Positive	accumulation of steroid	1.78E-04	32
	Rice				
Rumen	straw	Positive	differentiation of keratinocytes	1.78E-04	53
	Rice				
Rumen	straw	Positive	development of body axis	1.83E-04	313
	Rice				
Rumen	straw	Positive	mass of connective tissue	1.84E-04	68
	Rice				
Rumen	straw	Positive	differentiation of epidermal cells	1.87E-04	57
	Rice				
Rumen	straw	Positive	growth of skin	1.87E-04	73
	Rice				
Rumen	straw	Positive	apoptosis of lymphocytes	1.95E-04	111
	Rice				
Rumen	straw	Positive	migration of sarcoma cell lines	1.96E-04	30
	Rice				
Rumen	straw	Positive	morphology of limb	1.96E-04	77
	Rice				
Rumen	straw	Positive	dysmyelination	1.98E-04	48
	Rice				
Rumen	straw	Positive	cell movement of granulocytes	1.98E-04	118
	Rice				
Rumen	straw	Positive	apoptosis of kidney cell lines	1.98E-04	79
	Rice				
Rumen	straw	Positive	intermediate disease stage peripheral arterial disease	1.98E-04	55
	Rice				
Rumen	straw	Positive	replication of Influenza virus	2.05E-04	94
	Rice				
Rumen	straw	Positive	Schizophrenia	2.05E-04	135
Rumen	Rice	Positive	cellular infiltration by leukocytes	2.05E-04	123

	straw				
	Rice				
Rumen	straw	Positive	double-stranded DNA break repair of cells	2.05E-04	24
	Rice				
Rumen	straw	Positive	abnormal morphology of brain	2.05E-04	140
	Rice				
Rumen	straw	Positive	activation of endothelial cells	2.06E-04	28
	Rice				
Rumen	straw	Positive	proliferation of tumor cells	2.11E-04	147
	Rice				
Rumen	straw	Positive	development of hematopoietic system	2.11E-04	82
	Rice				
Rumen	straw	Positive	long-term potentiation of synapse	2.15E-04	52
	Rice				
Rumen	straw	Positive	migration of muscle cells	2.17E-04	57
	Rice				
Rumen	straw	Positive	benign neoplasm of female genital organ	2.18E-04	134
	Rice				
Rumen	straw	Positive	Fibrosis	2.21E-04	165
	Rice				
Rumen	straw	Positive	autophagy	2.21E-04	119
	Rice				
Rumen	straw	Positive	development of connective tissue cells	2.29E-04	74
	Rice				
Rumen	straw	Positive	fusion of vesicles	2.31E-04	29
	Rice				
Rumen	straw	Positive	cellular infiltration by macrophages	2.32E-04	55
	Rice				
Rumen	straw	Positive	abnormal morphology of limb	2.32E-04	76
	Rice				
Rumen	straw	Positive	gastrointestinal adenocarcinoma	2.34E-04	1183
	Rice				
Rumen	straw	Positive	tumorigenesis of malignant tumor	2.35E-04	88
	Rice				
Rumen	straw	Positive	neurotransmission	2.39E-04	130
	Rice				
Rumen	straw	Positive	abnormal morphology of skull	2.40E-04	73
	Rice				
Rumen	straw	Positive	abnormal morphology of reproductive system	2.40E-04	158
	Rice				
Rumen	straw	Positive	schizophrenia spectrum disorder	2.41E-04	140
	Rice				
Rumen	straw	Positive	G1 phase	2.44E-04	123
Rumen	Rice	Positive	proliferation of bone marrow cells	2.45E-04	43

	straw				
	Rice				
Rumen	straw	Positive	quantity of bone	2.51E-04	81
	Rice				
Rumen	straw	Positive	resorption of bone	2.52E-04	57
	Rice				
Rumen	straw	Positive	formation of lung	2.57E-04	97
	Rice				
Rumen	straw	Positive	cell movement of sarcoma cell lines	2.68E-04	35
	Rice				
Rumen	straw	Positive	Dermatitis	2.68E-04	136
	Rice				
Rumen	straw	Positive	development of phagocytes	2.74E-04	31
	Rice				
Rumen	straw	Positive	morphology of muscle	2.76E-04	107
	Rice				
Rumen	straw	Positive	morphology of genital organ	2.76E-04	133
	Rice				
Rumen	straw	Positive	connective or soft tissue tumor	2.79E-04	214
	Rice				
Rumen	straw	Positive	cell death of hepatoma cell lines	2.84E-04	58
	Rice				
Rumen	straw	Positive	quantity of diacylglycerol	2.84E-04	24
	Rice				
Rumen	straw	Positive	cell viability of connective tissue cells	2.84E-04	47
	Rice				
Rumen	straw	Positive	entry into interphase	2.89E-04	53
	Rice				
Rumen	straw	Positive	ossification of bone	2.89E-04	53
	Rice				
Rumen	straw	Positive	organization of actin filaments	2.89E-04	38
	Rice				
Rumen	straw	Positive	exocytosis by cells	2.92E-04	45
	Rice				
Rumen	straw	Positive	migration of vascular endothelial cells	2.93E-04	57
	Rice				
Rumen	straw	Positive	excitatory postsynaptic potential	2.94E-04	44
	Rice				
Rumen	straw	Positive	juvenile rheumatoid arthritis	2.94E-04	44
	Rice				
Rumen	straw	Positive	proliferation of epithelial cell lines	2.95E-04	76
	Rice				
Rumen	straw	Positive	morphology of neuroglia	2.96E-04	42
Rumen	Rice	Positive	proliferation of mononuclear leukocytes	3.11E-04	223

	straw				
	Rice				
Rumen	straw	Positive	cell death of heart	3.14E-04	75
	Rice				
Rumen	straw	Positive	migration of cancer cells	3.17E-04	65
	Rice				
Rumen	straw	Positive	quantity of lymphatic system component	3.18E-04	119
	Rice				
Rumen	straw	Positive	synthesis of triacylglycerol	3.21E-04	27
	Rice				
Rumen	straw	Positive	uterine tumor	3.27E-04	892
	Rice				
Rumen	straw	Positive	morphology of skin	3.27E-04	88
	Rice				
Rumen	straw	Positive	morphology of axial skeleton	3.28E-04	67
	Rice				
Rumen	straw	Positive	function of phagocytes	3.28E-04	98
	Rice				
Rumen	straw	Positive	apoptosis of neutrophils	3.31E-04	25
	Rice				
Rumen	straw	Positive	inflammation of organ	3.32E-04	345
	Rice				
Rumen	straw	Positive	differentiation of leukocytes	3.36E-04	204
	Rice				
Rumen	straw	Positive	differentiation of nervous system	3.36E-04	154
	Rice				
Rumen	straw	Positive	neural tube defect	3.36E-04	53
	Rice				
Rumen	straw	Positive	death of embryo	3.49E-04	52
	Rice				
Rumen	straw	Positive	synaptic transmission of cells	3.57E-04	81
	Rice				
Rumen	straw	Positive	neovascularization of organ	3.62E-04	40
	Rice				
Rumen	straw	Positive	abnormal morphology of cerebral cortex	3.66E-04	62
	Rice				
Rumen	straw	Positive	cell movement of tumor cells	3.66E-04	62
	Rice				
Rumen	straw	Negative	proliferation of cells	5.24E-46	1570
	Rice				
Rumen	straw	Negative	cancer	1.70E-43	3953
	Rice				
Rumen	straw	Negative	malignant solid tumor	3.99E-41	3902
Rumen	Rice	Negative	organismal death	7.25E-38	1060

	straw				
	Rice				
Rumen	straw	Negative	morbidity or mortality	2.02E-37	1070
	Rice				
Rumen	straw	Negative	cell death	4.96E-37	1400
	Rice				
Rumen	straw	Negative	necrosis	5.04E-32	1100
	Rice				
Rumen	straw	Negative	morphology of cells	3.19E-30	860
	Rice				
Rumen	straw	Negative	apoptosis	2.69E-29	1113
	Rice				
Rumen	straw	Negative	cell movement	2.97E-25	906
	Rice				
Rumen	straw	Negative	organization of cytoplasm	1.01E-24	681
	Rice				
Rumen	straw	Negative	transport of molecule	3.14E-24	709
	Rice				
Rumen	straw	Negative	abdominal neoplasm	5.03E-24	3199
	Rice				
Rumen	straw	Negative	tumorigenesis of tissue	4.61E-23	3264
	Rice				
Rumen	straw	Negative	neoplasia of epithelial tissue	3.00E-22	3210
	Rice				
Rumen	straw	Negative	abdominal cancer	3.82E-22	3153
	Rice				
Rumen	straw	Negative	cell survival	1.74E-21	614
	Rice				
Rumen	straw	Negative	epithelial cancer	3.42E-21	3175
	Rice				
Rumen	straw	Negative	cell viability	4.24E-21	577
	Rice				
Rumen	straw	Negative	cell death of tumor cell lines	4.86E-21	662
	Rice				
Rumen	straw	Negative	migration of cells	8.13E-21	801
	Rice				
Rumen	straw	Negative	organization of cytoskeleton	1.07E-20	611
	Rice				
Rumen	straw	Negative	digestive organ tumor	1.91E-20	2771
	Rice				
Rumen	straw	Negative	digestive system cancer	1.99E-20	2747
	Rice				
Rumen	straw	Negative	cellular homeostasis	1.81E-19	653
Rumen	Rice	Negative	expression of RNA	6.31E-19	880

	straw				
	Rice				
Rumen	straw	Negative	differentiation of cells	1.28E-18	916
	Rice				
Rumen	straw	Negative	abnormal morphology of cells	1.77E-18	552
	Rice				
Rumen	straw	Negative	angiogenesis	1.18E-17	411
	Rice				
Rumen	straw	Negative	transcription	1.73E-17	817
	Rice				
Rumen	straw	Negative	microtubule dynamics	2.54E-17	516
	Rice				
Rumen	straw	Negative	transcription of RNA	3.97E-17	765
	Rice				
Rumen	straw	Negative	apoptosis of tumor cell lines	4.92E-17	525
	Rice				
Rumen	straw	Negative	morphology of cardiovascular system	7.51E-17	293
	Rice				
Rumen	straw	Negative	vasculogenesis	3.43E-16	338
	Rice				
Rumen	straw	Negative	synthesis of lipid	2.94E-14	322
	Rice				
Rumen	straw	Negative	perinatal death	2.94E-14	274
	Rice				
Rumen	straw	Negative	morphology of body cavity	4.98E-14	505
	Rice				
Rumen	straw	Negative	formation of cellular protrusions	6.49E-14	394
	Rice				
Rumen	straw	Negative	development of body trunk	7.14E-14	475
	Rice				
Rumen	straw	Negative	concentration of lipid	8.06E-14	358
	Rice				
Rumen	straw	Negative	quantity of cells	8.06E-14	714
	Rice				
Rumen	straw	Negative	transcription of DNA	9.43E-14	629
	Rice				
Rumen	straw	Negative	cell movement of tumor cell lines	1.17E-13	373
	Rice				
Rumen	straw	Negative	size of body	1.70E-13	372
	Rice				
Rumen	straw	Negative	phosphorylation of protein	1.70E-13	327
	Rice				
Rumen	straw	Negative	proliferation of tumor cell lines	1.71E-13	632
Rumen	Rice	Negative	Movement Disorders	1.94E-13	451

	straw				
	Rice				
Rumen	straw	Negative	abnormal morphology of epithelial tissue	2.34E-13	199
	Rice				
Rumen	straw	Negative	cell viability of tumor cell lines	8.66E-13	341
	Rice				
Rumen	straw	Negative	development of cytoplasm	1.88E-12	214
	Rice				
Rumen	straw	Negative	abnormal morphology of cardiovascular system	2.53E-12	256
	Rice				
Rumen	straw	Negative	cell death of connective tissue cells	2.53E-12	270
	Rice				
Rumen	straw	Negative	growth of organism	2.66E-12	361
	Rice				
Rumen	straw	Negative	abnormal morphology of body cavity	3.03E-12	476
	Rice				
Rumen	straw	Negative	abnormal morphology of thoracic cavity	6.45E-12	262
	Rice				
Rumen	straw	Negative	organization of organelle	7.21E-12	243
	Rice				
Rumen	straw	Negative	interphase	8.16E-12	289
	Rice				
Rumen	straw	Negative	neurological signs	8.37E-12	287
	Rice				
Rumen	straw	Negative	morphology of heart	1.47E-11	188
	Rice				
Rumen	straw	Negative	transactivation	1.66E-11	257
	Rice				
Rumen	straw	Negative	necrosis of epithelial tissue	1.82E-11	261
	Rice				
Rumen	straw	Negative	protein kinase cascade	1.88E-11	194
	Rice				
Rumen	straw	Negative	quantity of blood cells	2.06E-11	429
	Rice				
Rumen	straw	Negative	quantity of leukocytes	2.17E-11	387
	Rice				
Rumen	straw	Negative	quantity of connective tissue	2.40E-11	266
	Rice				
Rumen	straw	Negative	dyskinesia	3.20E-11	271
	Rice				
Rumen	straw	Negative	development of vasculature	3.20E-11	192
	Rice				
Rumen	straw	Negative	disorder of basal ganglia	3.69E-11	329
Rumen	Rice	Negative	abnormal morphology of head	4.02E-11	354

	straw				
	Rice				
Rumen	straw	Negative	invasion of cells	6.92E-11	367
	Rice				
Rumen	straw	Negative	cell death of epithelial cells	8.10E-11	222
	Rice				
Rumen	straw	Negative	morphology of head	8.16E-11	369
	Rice				
Rumen	straw	Negative	cell death of cervical cancer cell lines	8.90E-11	163
	Rice				
Rumen	straw	Negative	chorea	1.11E-10	253
	Rice				
Rumen	straw	Negative	Huntington's Disease	1.22E-10	252
	Rice				
Rumen	straw	Negative	morphology of connective tissue	2.12E-10	206
	Rice				
Rumen	straw	Negative	Growth Failure	2.67E-10	260
	Rice				
Rumen	straw	Negative	transactivation of RNA	3.48E-10	238
	Rice				
Rumen	straw	Negative	formation of cytoskeleton	4.47E-10	171
	Rice				
Rumen	straw	Negative	abnormal morphology of abdomen	5.87E-10	365
	Rice				
Rumen	straw	Negative	proliferation of blood cells	6.01E-10	352
	Rice				
Rumen	straw	Negative	activation of DNA endogenous promoter	6.83E-10	488
	Rice				
Rumen	straw	Negative	migration of tumor cell lines	6.84E-10	300
	Rice				
Rumen	straw	Negative	proliferation of connective tissue cells	6.93E-10	256
	Rice				
Rumen	straw	Negative	cell movement of blood cells	6.93E-10	364
	Rice				
Rumen	straw	Negative	cell transformation	6.98E-10	204
	Rice				
Rumen	straw	Negative	migration of blood cells	7.48E-10	363
	Rice				
Rumen	straw	Negative	apoptosis of cervical cancer cell lines	7.54E-10	132
	Rice				
Rumen	straw	Negative	metabolism of protein	8.92E-10	400
	Rice				
Rumen	straw	Negative	leukocyte migration	9.06E-10	362
Rumen	Rice	Negative	cell death of epithelial cell lines	9.29E-10	132

	straw				
	Rice				
Rumen	straw	Negative	growth of epithelial tissue	9.29E-10	289
	Rice				
Rumen	straw	Negative	development of body axis	9.82E-10	429
	Rice				
Rumen	straw	Negative	growth of connective tissue	1.02E-09	275
	Rice				
Rumen	straw	Negative	Viral Infection	1.13E-09	631
	Rice				
Rumen	straw	Negative	morphology of nervous system	1.20E-09	328
	Rice				
Rumen	straw	Negative	proliferation of neuronal cells	1.36E-09	248
	Rice				
Rumen	straw	Negative	concentration of fatty acid	1.67E-09	130
	Rice				
Rumen	straw	Negative	formation of muscle	1.89E-09	177
	Rice				
Rumen	straw	Negative	growth of muscle tissue	2.68E-09	167
	Rice				
Rumen	straw	Negative	abnormal morphology of heart	2.70E-09	171
	Rice				
Rumen	straw	Negative	activation of enzyme	2.70E-09	173
	Rice				
Rumen	straw	Negative	proliferation of muscle cells	2.86E-09	166
	Rice				
Rumen	straw	Negative	development of head	3.06E-09	400
	Rice				
Rumen	straw	Negative	neuronal cell death	3.10E-09	287
	Rice				
Rumen	straw	Negative	autophagy	3.78E-09	167
	Rice				
Rumen	straw	Negative	growth of embryo	4.93E-09	207
	Rice				
Rumen	straw	Negative	proliferation of immune cells	5.01E-09	328
	Rice				
Rumen	straw	Negative	survival of organism	5.78E-09	294
	Rice				
Rumen	straw	Negative	morphology of respiratory system	6.11E-09	141
	Rice				
Rumen	straw	Negative	abnormal morphology of nervous system	6.45E-09	302
	Rice				
Rumen	straw	Negative	ubiquitination	7.10E-09	151
Rumen	Rice	Negative	abnormal morphology of respiratory system	7.10E-09	139

	straw				
	Rice				
Rumen	straw	Negative	invasion of tumor cell lines	7.37E-09	279
	Rice				
Rumen	straw	Negative	neuromuscular disease	7.82E-09	361
	Rice				
Rumen	straw	Negative	neonatal death	9.53E-09	191
	Rice				
Rumen	straw	Negative	morphology of bone	1.07E-08	195
	Rice				
Rumen	straw	Negative	function of cardiovascular system	1.34E-08	163
	Rice				
Rumen	straw	Negative	ubiquitination of protein	1.34E-08	148
	Rice				
Rumen	straw	Negative	autosomal recessive disease	1.34E-08	374
	Rice				
Rumen	straw	Negative	breast or colorectal cancer	1.61E-08	1802
	Rice				
Rumen	straw	Negative	cell death of blood cells	1.61E-08	288
	Rice				
Rumen	straw	Negative	metabolism of carbohydrate	2.02E-08	260
	Rice				
Rumen	straw	Negative	fatty acid metabolism	2.22E-08	252
	Rice				
Rumen	straw	Negative	secretion of molecule	2.25E-08	233
	Rice				
Rumen	straw	Negative	dysgenesis	2.75E-08	228
	Rice				
Rumen	straw	Negative	abnormal morphology of bone	2.80E-08	188
	Rice				
Rumen	straw	Negative	quantity of lymphocytes	2.92E-08	292
	Rice				
Rumen	straw	Negative	degeneration of nervous system	2.93E-08	129
	Rice				
Rumen	straw	Negative	Organ Degeneration	3.00E-08	210
	Rice				
Rumen	straw	Negative	cell movement of leukocytes	3.48E-08	314
	Rice				
Rumen	straw	Negative	quantity of mononuclear leukocytes	3.72E-08	302
	Rice				
Rumen	straw	Negative	accumulation of lipid	4.78E-08	133
	Rice				
Rumen	straw	Negative	morphology of digestive system	4.96E-08	239
Rumen	Rice	Negative	abnormal morphology of embryonic tissue	5.12E-08	230

	straw				
	Rice				
Rumen	straw	Negative	apoptosis of epithelial cell lines	5.50E-08	103
	Rice				
Rumen	straw	Negative	proliferation of mononuclear leukocytes	5.88E-08	302
	Rice				
Rumen	straw	Negative	cell death of fibroblast cell lines	5.99E-08	183
	Rice				
Rumen	straw	Negative	Hypoplasia	6.18E-08	213
	Rice				
Rumen	straw	Negative	engulfment of cells	6.59E-08	175
	Rice				
Rumen	straw	Negative	abnormal morphology of digestive system	6.94E-08	228
	Rice				
Rumen	straw	Negative	formation of cells	8.09E-08	392
	Rice				
Rumen	straw	Negative	proliferation of lymphocytes	8.15E-08	297
	Rice				
Rumen	straw	Negative	development of abdomen	8.82E-08	241
	Rice				
Rumen	straw	Negative	development of lymphatic system component	9.51E-08	136
	Rice				
Rumen	straw	Negative	fibrogenesis	9.61E-08	176
	Rice				
Rumen	straw	Negative	congenital anomaly of musculoskeletal system	9.62E-08	300
	Rice				
Rumen	straw	Negative	cell cycle progression	1.28E-07	414
	Rice				
Rumen	straw	Negative	cardiogenesis	1.28E-07	199
	Rice				
Rumen	straw	Negative	autosomal dominant disease	1.35E-07	262
	Rice				
Rumen	straw	Negative	adhesion of tumor cell lines	1.38E-07	127
	Rice				
Rumen	straw	Negative	seizure disorder	1.38E-07	198
	Rice				
Rumen	straw	Negative	growth of embryonic tissue	1.39E-07	122
	Rice				
Rumen	straw	Negative	differentiation of connective tissue cells	1.40E-07	264
	Rice				
Rumen	straw	Negative	cell death of immune cells	1.65E-07	270
	Rice				
Rumen	straw	Negative	development of digestive system	1.77E-07	164
Rumen	Rice	Negative	Neurodegeneration	1.78E-07	135

	straw				
	Rice				
Rumen	straw	Negative	differentiation of connective tissue	1.89E-07	296
	Rice				
Rumen	straw	Negative	function of blood cells	1.89E-07	242
	Rice				
Rumen	straw	Negative	proliferation of fibroblasts	1.90E-07	152
	Rice				
Rumen	straw	Negative	morphology of vessel	1.90E-07	134
	Rice				
Rumen	straw	Negative	function of leukocytes	2.05E-07	223
	Rice				
Rumen	straw	Negative	cell death of muscle cells	2.12E-07	145
	Rice				
Rumen	straw	Negative	quantity of lymphoid organ	2.28E-07	134
	Rice				
Rumen	straw	Negative	formation of filaments	2.41E-07	169
	Rice				
Rumen	straw	Negative	quantity of lymphatic system component	2.67E-07	161
	Rice				
Rumen	straw	Negative	endocytosis	3.26E-07	148
	Rice				
Rumen	straw	Negative	quantity of T lymphocytes	3.69E-07	221
	Rice				
Rumen	straw	Negative	cell spreading	4.03E-07	121
	Rice				
Rumen	straw	Negative	development of lymphatic system	4.46E-07	152
	Rice				
Rumen	straw	Negative	proliferation of embryonic cells	4.48E-07	110
	Rice				
Rumen	straw	Negative	metabolism of membrane lipid derivative	4.51E-07	164
	Rice				
Rumen	straw	Negative	arrest in interphase	4.74E-07	175
	Rice				
Rumen	straw	Negative	Bleeding	4.81E-07	178
	Rice				
Rumen	straw	Negative	mass of connective tissue	4.82E-07	91
	Rice				
Rumen	straw	Negative	binding of DNA	4.82E-07	215
	Rice				
Rumen	straw	Negative	hepatocellular carcinoma	4.82E-07	1515
	Rice				
Rumen	straw	Negative	cell death of muscle	4.82E-07	147
Rumen	Rice	Negative	catabolism of protein	4.82E-07	246

	straw				
	Rice				
Rumen	straw	Negative	hepatobiliary system cancer	4.82E-07	1569
	Rice				
Rumen	straw	Negative	formation of filopodia	5.06E-07	77
	Rice				
Rumen	straw	Negative	proliferation of smooth muscle cells	5.26E-07	124
	Rice				
Rumen	straw	Negative	synthesis of DNA	5.26E-07	175
	Rice				
Rumen	straw	Negative	replication of virus	5.41E-07	230
	Rice				
Rumen	straw	Negative	morphology of cardiovascular tissue	6.06E-07	45
	Rice				
Rumen	straw	Negative	necrosis of muscle	6.16E-07	146
	Rice				
Rumen	straw	Negative	gastrointestinal tract cancer	6.45E-07	1814
	Rice				
Rumen	straw	Negative	activation of cells	7.05E-07	384
	Rice				
Rumen	straw	Negative	abnormal morphology of skeleton	7.22E-07	118
	Rice				
Rumen	straw	Negative	liver tumor	7.37E-07	1570
	Rice				
Rumen	straw	Negative	liver cancer	7.39E-07	1560
	Rice				
Rumen	straw	Negative	apoptosis of fibroblast cell lines	7.46E-07	140
	Rice				
Rumen	straw	Negative	Gastrointestinal Tract Cancer and Tumors	8.02E-07	1841
	Rice				
Rumen	straw	Negative	morphology of skeleton	8.04E-07	121
	Rice				
Rumen	straw	Negative	cell death of kidney cells	8.22E-07	148
	Rice				
Rumen	straw	Negative	proliferation of epithelial cells	8.22E-07	203
	Rice				
Rumen	straw	Negative	replication of RNA virus	8.74E-07	208
	Rice				
Rumen	straw	Negative	cell death of kidney cell lines	9.00E-07	130
	Rice				
Rumen	straw	Negative	respiratory system development	9.09E-07	145
	Rice				
Rumen	straw	Negative	activation of Protein kinase	9.26E-07	110
Rumen	Rice	Negative	formation of lung	9.76E-07	129

	straw				
	Rice				
Rumen	straw	Negative	Hypertrophy	1.15E-06	195
	Rice				
Rumen	straw	Negative	peripheral arterial disease	1.15E-06	94
	Rice				
Rumen	straw	Negative	cell movement of endothelial cells	1.20E-06	149
	Rice				
Rumen	straw	Negative	mass of adipose tissue	1.39E-06	85
	Rice				
Rumen	straw	Negative	behavior	1.40E-06	386
	Rice				
Rumen	straw	Negative	development of epithelial tissue	1.41E-06	211
	Rice				
Rumen	straw	Negative	apoptosis of neurons	1.55E-06	180
	Rice				
Rumen	straw	Negative	growth of neurites	1.59E-06	190
	Rice				
Rumen	straw	Negative	formation of eye	1.61E-06	181
	Rice				
Rumen	straw	Negative	morphology of skin	1.61E-06	117
	Rice				
Rumen	straw	Negative	differentiation of muscle cell lines	1.62E-06	74
	Rice				
Rumen	straw	Negative	vascularization	1.62E-06	103
	Rice				
Rumen	straw	Negative	autophagy of cells	1.72E-06	114
	Rice				
Rumen	straw	Negative	homing of cells	1.73E-06	226
	Rice				
Rumen	straw	Negative	function of muscle	1.82E-06	146
	Rice				
Rumen	straw	Negative	benign neoplasia	1.86E-06	362
	Rice				
Rumen	straw	Negative	proliferation of hematopoietic cells	1.99E-06	110
	Rice				
Rumen	straw	Negative	synthesis of fatty acid	2.06E-06	132
	Rice				
Rumen	straw	Negative	function of smooth muscle	2.06E-06	46
	Rice				
Rumen	straw	Negative	cell movement of fibroblasts	2.08E-06	82
	Rice				
Rumen	straw	Negative	growth of plasma membrane projections	2.09E-06	191
Rumen	Rice	Negative	morphology of reproductive system	2.11E-06	217

	straw				
	Rice				
Rumen	straw	Negative	neuritogenesis	2.15E-06	235
	Rice				
Rumen	straw	Negative	transformation of fibroblast cell lines	2.16E-06	111
	Rice				
Rumen	straw	Negative	migration of connective tissue cells	2.18E-06	81
	Rice				
Rumen	straw	Negative	abnormal morphology of reproductive system	2.19E-06	207
	Rice				
Rumen	straw	Negative	morphology of endothelial tissue	2.40E-06	42
	Rice				
Rumen	straw	Negative	polymerization of protein	2.49E-06	154
	Rice				
Rumen	straw	Negative	cognition	2.49E-06	186
	Rice				
Rumen	straw	Negative	seizures	2.51E-06	165
	Rice				
Rumen	straw	Negative	cell movement of connective tissue cells	2.52E-06	97
	Rice				
Rumen	straw	Negative	small GTPase mediated signal transduction	2.55E-06	82
	Rice				
Rumen	straw	Negative	phosphorylation of L-amino acid	2.72E-06	96
	Rice				
Rumen	straw	Negative	morphology of central nervous system	2.87E-06	208
	Rice				
Rumen	straw	Negative	differentiation of embryonic tissue	3.05E-06	109
	Rice				
Rumen	straw	Negative	interphase of tumor cell lines	3.13E-06	153
	Rice				
Rumen	straw	Negative	shape change of tumor cell lines	3.24E-06	70
	Rice				
Rumen	straw	Negative	morphology of genital organ	3.32E-06	174
	Rice				
Rumen	straw	Negative	synthesis of reactive oxygen species	3.46E-06	195
	Rice				
Rumen	straw	Negative	transport of alpha-amino acid	3.55E-06	37
	Rice				
Rumen	straw	Negative	cellular infiltration	3.57E-06	179
	Rice				
Rumen	straw	Negative	transport of protein	3.65E-06	127
	Rice				
Rumen	straw	Negative	abnormal morphology of endothelial tissue	3.77E-06	34
Rumen	Rice	Negative	peripheral vascular disease	3.85E-06	157

	straw				
	Rice				
Rumen	straw	Negative	epileptic seizure	3.98E-06	75
	Rice				
Rumen	straw	Negative	homing	4.07E-06	230
	Rice				
Rumen	straw	Negative	quantity of carbohydrate	4.17E-06	209
	Rice				
Rumen	straw	Negative	cell death of sarcoma cell lines	4.18E-06	98
	Rice				
Rumen	straw	Negative	differentiation of muscle	4.25E-06	127
	Rice				
Rumen	straw	Negative	neovascularization	4.46E-06	73
	Rice				
Rumen	straw	Negative	proliferation of hematopoietic progenitor cells	4.54E-06	104
	Rice				
Rumen	straw	Negative	proliferation of T lymphocytes	4.58E-06	241
	Rice				
Rumen	straw	Negative	proliferation of fibroblast cell lines	4.63E-06	173
	Rice				
Rumen	straw	Negative	development of blood cells	4.63E-06	259
	Rice				
Rumen	straw	Negative	Dermatitis	4.75E-06	177
	Rice				
Rumen	straw	Negative	formation of plasma membrane projections	4.75E-06	238
	Rice				
Rumen	straw	Negative	cell death of embryonic cell lines	4.86E-06	103
	Rice				
Rumen	straw	Negative	cell death of heart cells	5.23E-06	95
	Rice				
Rumen	straw	Negative	glandular intraepithelial neoplasm	5.23E-06	58
	Rice				
Rumen	straw	Negative	cellular infiltration by leukocytes	5.51E-06	159
	Rice				
Rumen	straw	Negative	apoptosis of epithelial cells	5.57E-06	120
	Rice				
Rumen	straw	Negative	disorder of lipid metabolism	5.65E-06	86
	Rice				
Rumen	straw	Negative	stress response of cells	5.71E-06	63
	Rice				
Rumen	straw	Negative	development of cardiovascular tissue	5.87E-06	152
	Rice				
Rumen	straw	Negative	synthesis of carbohydrate	5.92E-06	173
Rumen	Rice	Negative	damage of epithelial tissue	5.98E-06	50

	straw				
	Rice				
Rumen	straw	Negative	necrosis of kidney	6.05E-06	150
	Rice				
Rumen	straw	Negative	growth of tumor	6.43E-06	311
	Rice				
Rumen	straw	Negative	growth of lymphatic system component	6.49E-06	84
	Rice				
Rumen	straw	Negative	breast or ovarian cancer	6.69E-06	709
	Rice				
Rumen	straw	Negative	formation of actin filaments	6.69E-06	127
	Rice				
Rumen	straw	Negative	morphology of brain	6.97E-06	188
	Rice				
Rumen	straw	Negative	cellular infiltration of cells	7.13E-06	162
	Rice				
Rumen	straw	Negative	adenocarcinoma	7.69E-06	2293
	Rice				
Rumen	straw	Negative	apoptosis of blood cells	7.71E-06	199
	Rice				
Rumen	straw	Negative	differentiation of muscle cells	7.71E-06	118
	Rice				
Rumen	straw	Negative	S phase	7.81E-06	110
	Rice				
Rumen	straw	Negative	cell death of cardiomyocytes	7.90E-06	92
	Rice				
Rumen	straw	Negative	quantity of epithelial tissue	7.90E-06	78
	Rice				
Rumen	straw	Negative	transport of amino acids	8.01E-06	61
	Rice				
Rumen	straw	Negative	morphology of lymphatic system component	8.32E-06	169
	Rice				
Rumen	straw	Negative	abnormal morphology of genital organ	8.36E-06	166
	Rice				
Rumen	straw	Negative	apoptosis of heart	8.50E-06	83
	Rice				
Rumen	straw	Negative	generation of blood cells	8.71E-06	73
	Rice				
Rumen	straw	Negative	morphology of muscle cells	8.71E-06	73
	Rice				
Rumen	straw	Negative	organization of actin cytoskeleton	9.21E-06	125
	Rice				
Rumen	straw	Negative	cell death of heart	9.33E-06	97
Rumen	Rice	Negative	apoptosis of connective tissue cells	9.34E-06	123

	straw				
	Rice				
Rumen	straw	Negative	death of perinatal stage organism	9.69E-06	40
	Rice				
Rumen	straw	Negative	morphology of muscle	9.69E-06	138
	Rice				
Rumen	straw	Negative	orientation of cells	9.71E-06	78
	Rice				
Rumen	straw	Negative	long-term potentiation	9.71E-06	103
	Rice				
Rumen	straw	Negative	cancer of secretory structure	9.77E-06	727
	Rice				
Rumen	straw	Negative	prostatic intraepithelial neoplasia	9.77E-06	55
	Rice				
Rumen	straw	Negative	cell death of fibroblasts	9.78E-06	111
	Rice				
Rumen	straw	Negative	development of sensory organ	9.81E-06	224
	Rice				
Rumen	straw	Negative	quantity of hematopoietic progenitor cells	9.95E-06	178
	Rice				
Rumen	straw	Negative	ion homeostasis of cells	1.02E-05	221
	Rice		intermediate disease stage peripheral arterial		
Rumen	straw	Negative	disease	1.02E-05	70
	Rice		metabolism of nucleic acid component or		
Rumen	straw	Negative	derivative	1.02E-05	207
	Rice				
Rumen	straw	Negative	learning	1.03E-05	169
	Rice				
Rumen	straw	Negative	development of gastrointestinal tract	1.05E-05	110
	Rice				
Rumen	straw	Negative	sprouting	1.06E-05	157
	Rice				
Rumen	straw	Negative	secretory pathway	1.07E-05	85
	Rice				
Rumen	straw	Negative	apoptosis of heart cells	1.09E-05	82
	Rice				
Rumen	straw	Negative	Edema	1.11E-05	141
	Rice				
Rumen	straw	Negative	midline defect	1.14E-05	111
	Rice				
Rumen	straw	Negative	epilepsy	1.18E-05	127
	Rice				
Rumen	straw	Negative	hypersensitive reaction	1.19E-05	173
Rumen	Rice	Negative	advanced stage peripheral arterial disease	1.21E-05	67

	straw				
	Rice				
Rumen	straw	Negative	gastrointestinal carcinoma	1.21E-05	1615
	Rice				
Rumen	straw	Negative	transport of L-amino acid	1.22E-05	33
	Rice				
Rumen	straw	Negative	metabolism of monosaccharide	1.22E-05	56
	Rice				
Rumen	straw	Negative	G2 phase	1.22E-05	112
	Rice				
Rumen	straw	Negative	morphology of heart ventricle	1.22E-05	83
	Rice				
Rumen	straw	Negative	apoptosis of cardiomyocytes	1.23E-05	80
	Rice				
Rumen	straw	Negative	formation of lymphatic system component	1.23E-05	121
	Rice				
Rumen	straw	Negative	organization of filaments	1.23E-05	88
	Rice				
Rumen	straw	Negative	generation of T lymphocytes	1.33E-05	53
	Rice				
Rumen	straw	Negative	release of L-amino acid	1.34E-05	40
	Rice		abnormal morphology of central nervous system		
Rumen	straw	Negative		1.36E-05	193
	Rice				
Rumen	straw	Negative	cell movement of mononuclear leukocytes	1.36E-05	185
	Rice				
Rumen	straw	Negative	metabolism of reactive oxygen species	1.42E-05	199
	Rice				
Rumen	straw	Negative	endothelial cell development	1.46E-05	144
	Rice				
Rumen	straw	Negative	fusion of cellular membrane	1.46E-05	31
	Rice				
Rumen	straw	Negative	abnormal morphology of skull	1.46E-05	93
	Rice				
Rumen	straw	Negative	infection by RNA virus	1.47E-05	334
	Rice				
Rumen	straw	Negative	generation of leukocytes	1.47E-05	71
	Rice				
Rumen	straw	Negative	morphology of blood vessel	1.47E-05	117
	Rice				
Rumen	straw	Negative	synthesis of terpenoid	1.47E-05	117
	Rice				
Rumen	straw	Negative	morphology of skull	1.48E-05	95
Rumen	Rice	Negative	outgrowth of neurites	1.48E-05	163

	straw				
	Rice				
Rumen	straw	Negative	apoptosis of muscle	1.53E-05	109
	Rice				
Rumen	straw	Negative	outgrowth of plasma membrane projections	1.53E-05	164
	Rice				
Rumen	straw	Negative	uptake of carbohydrate	1.54E-05	120
	Rice				
Rumen	straw	Negative	development of neurons	1.57E-05	303
	Rice				
Rumen	straw	Negative	formation of lymphoid organ	1.66E-05	110
	Rice				
Rumen	straw	Negative	apoptosis of kidney cell lines	1.66E-05	100
	Rice				
Rumen	straw	Negative	abnormal morphology of skin	1.66E-05	102
	Rice				
Rumen	straw	Negative	cellular degradation	1.66E-05	106
	Rice				
Rumen	straw	Negative	morphology of pulmonary alveolus	1.66E-05	54
	Rice				
Rumen	straw	Negative	transmembrane potential of mitochondria	1.68E-05	91
	Rice				
Rumen	straw	Negative	migration of endothelial cells	1.69E-05	134
	Rice				
Rumen	straw	Negative	homeostasis of leukocytes	1.73E-05	219
	Rice				
Rumen	straw	Negative	degeneration of cells	1.75E-05	140
	Rice				
Rumen	straw	Negative	interphase of cervical cancer cell lines	1.88E-05	40
	Rice				
Rumen	straw	Negative	modification of peptide	1.91E-05	49
	Rice				
Rumen	straw	Negative	incidence of tumor	1.91E-05	131
	Rice				
Rumen	straw	Negative	abnormal morphology of brain	1.91E-05	178
	Rice				
Rumen	straw	Negative	abnormal morphology of body wall	1.93E-05	48
	Rice				
Rumen	straw	Negative	apoptosis of muscle cells	1.93E-05	108
	Rice				
Rumen	straw	Negative	development of endothelial tissue	1.93E-05	148
	Rice				
Rumen	straw	Negative	cell death of bone cancer cell lines	1.95E-05	76
Rumen	Rice	Negative	inflammatory response	1.96E-05	301

	straw				
	Rice				
Rumen	straw	Negative	quantity of adipose tissue	1.99E-05	115
	Rice				
Rumen	straw	Negative	development of leukocytes	2.12E-05	231
	Rice				
Rumen	straw	Negative	metabolism of DNA	2.14E-05	160
	Rice				
Rumen	straw	Negative	infection by Retroviridae	2.15E-05	279
	Rice				
Rumen	straw	Negative	oxidation of lipid	2.16E-05	90
	Rice				
Rumen	straw	Negative	formation of skin	2.19E-05	148
	Rice				
Rumen	straw	Negative	female genital tract serous cancer	2.26E-05	155
	Rice				
Rumen	straw	Negative	branching of cells	2.29E-05	149
	Rice				
Rumen	straw	Negative	chemotaxis of cells	2.31E-05	208
	Rice				
Rumen	straw	Negative	concentration of sterol	2.39E-05	125
	Rice				
Rumen	straw	Negative	release of L-glutamic acid	2.50E-05	38
	Rice				
Rumen	straw	Negative	cell death of hematopoietic cells	2.50E-05	99
	Rice				
Rumen	straw	Negative	differentiation of epithelial tissue	2.50E-05	145
	Rice				
Rumen	straw	Negative	polarization of cells	2.58E-05	75
	Rice				
Rumen	straw	Negative	relaxation of muscle	2.64E-05	40
	Rice				
Rumen	straw	Negative	morphology of lung	2.67E-05	80
	Rice				
Rumen	straw	Negative	adhesion of endothelial cell lines	2.70E-05	22
	Rice				
Rumen	straw	Negative	colony formation	2.71E-05	211
	Rice				
Rumen	straw	Negative	oxidation of fatty acid	2.76E-05	74
	Rice				
Rumen	straw	Negative	cell death of neuroblastoma cell lines	2.77E-05	82
	Rice				
Rumen	straw	Negative	plasticity of synapse	2.82E-05	54
Rumen	Rice	Negative	Lymphocyte homeostasis	2.86E-05	214

	straw				
	Rice				
Rumen	straw	Negative	proliferation of vascular smooth muscle cells	2.88E-05	67
	Rice				
Rumen	straw	Negative	size of lesion	2.89E-05	105
	Rice				
Rumen	straw	Negative	quantity of thymus gland	2.92E-05	97
	Rice				
Rumen	straw	Negative	development of connective tissue	2.92E-05	149
	Rice				
Rumen	straw	Negative	cell death of brain	2.97E-05	119
	Rice				
Rumen	straw	Negative	cell movement of myeloid cells	3.04E-05	212
	Rice				
Rumen	straw	Negative	abnormal morphology of internal genitalia	3.07E-05	141
	Rice				
Rumen	straw	Negative	generation of lymphocytes	3.09E-05	62
	Rice				
Rumen	straw	Negative	colony formation of cells	3.18E-05	194
	Rice				
Rumen	straw	Negative	transport of carbohydrate	3.35E-05	82
	Rice				
Rumen	straw	Negative	cell death of leukemia cell lines	3.40E-05	129
	Rice				
Rumen	straw	Negative	morphology of endothelial cells	3.43E-05	31
	Rice				
Rumen	straw	Negative	HIV infection	3.46E-05	275
	Rice				
Rumen	straw	Negative	congenital malformation of skeleton	3.51E-05	168
	Rice				
Rumen	straw	Negative	MAPKKK cascade	3.54E-05	86
	Rice				
Rumen	straw	Negative	accumulation of steroid	3.62E-05	39
	Rice				
Rumen	straw	Negative	quantity of antigen presenting cells	3.70E-05	113
	Rice				
Rumen	straw	Negative	synthesis of nitric oxide	3.70E-05	113
	Rice				
Rumen	straw	Negative	cell viability of cervical cancer cell lines	3.70E-05	92
	Rice				
Rumen	straw	Negative	degeneration of central nervous system	3.87E-05	58
	Rice				
Rumen	straw	Negative	mammary tumor	3.89E-05	605
Rumen	Rice	Negative	uptake of monosaccharide	4.14E-05	110

	straw				
	Rice				
Rumen	straw	Negative	I-kappaB kinase/NF-kappaB cascade	4.14E-05	74
	Rice				
Rumen	straw	Negative	chemotaxis	4.18E-05	213
	Rice				
Rumen	straw	Negative	mass of fat pad	4.29E-05	50
	Rice				
Rumen	straw	Negative	cell movement of lymphocytes	4.46E-05	157
	Rice				
Rumen	straw	Negative	concentration of triacylglycerol	4.59E-05	124
	Rice				
Rumen	straw	Negative	morphology of mouth	4.70E-05	59
	Rice				
Rumen	straw	Negative	exocytosis	4.75E-05	80
	Rice				
Rumen	straw	Negative	transport of ion	4.78E-05	198
	Rice				
Rumen	straw	Negative	cell death of liver cells	4.90E-05	82
	Rice				
Rumen	straw	Negative	hypoplasia of organ	4.95E-05	176
	Rice				
Rumen	straw	Negative	migration of fibroblasts	4.95E-05	62
	Rice				
Rumen	straw	Negative	formation of vesicles	4.96E-05	53
	Rice				
Rumen	straw	Negative	release of amino acids	5.01E-05	44
	Rice				
Rumen	straw	Negative	metabolism of nucleotide	5.08E-05	173
	Rice				
Rumen	straw	Negative	cell death of hematopoietic progenitor cells	5.27E-05	94
	Rice				
Rumen	straw	Negative	metabolism of sphingolipid	5.63E-05	60
	Rice				
Rumen	straw	Negative	concentration of acylglycerol	5.69E-05	134
	Rice				
Rumen	straw	Negative	infection by HIV-1	5.83E-05	236
	Rice				
Rumen	straw	Negative	cell death of central nervous system cells	5.83E-05	118
	Rice				
Rumen	straw	Negative	transport of glutamine family amino acid	5.92E-05	28
	Rice				
Rumen	straw	Negative	accumulation of fatty acid	5.94E-05	25
Rumen	Rice	Negative	vascularization of body region	5.94E-05	59

	straw				
	Rice				
Rumen	straw	Negative	neural tube defect	5.94E-05	66
	Rice				
Rumen	straw	Negative	arteriosclerosis	5.97E-05	184
	Rice				
Rumen	straw	Negative	apoptosis of neuroblastoma cell lines	6.11E-05	54
	Rice				
Rumen	straw	Negative	degeneration of neurons	6.14E-05	98
	Rice				
Rumen	straw	Negative	cell viability of connective tissue cells	6.28E-05	58
	Rice				
Rumen	straw	Negative	proliferation of endothelial cells	6.32E-05	125
	Rice				
Rumen	straw	Negative	metabolism of glycolipid	6.33E-05	65
	Rice				
Rumen	straw	Negative	development of lymphocytes	6.33E-05	215
	Rice				
Rumen	straw	Negative	autophosphorylation of protein	6.33E-05	68
	Rice				
Rumen	straw	Negative	morphology of gonad	6.33E-05	150
	Rice				
Rumen	straw	Negative	cytopenia	6.38E-05	120
	Rice				
Rumen	straw	Negative	quantity of protein in blood	6.38E-05	198
	Rice				
Rumen	straw	Negative	function of phagocytes	6.49E-05	123
	Rice				
Rumen	straw	Negative	uterine serous papillary cancer	6.66E-05	95
	Rice				
Rumen	straw	Negative	quantity of phagocytes	6.68E-05	167
	Rice				
Rumen	straw	Negative	high bone mass disease	6.71E-05	36
	Rice				
Rumen	straw	Negative	T cell development	6.79E-05	196
	Rice				
Rumen	straw	Negative	abdominal adenocarcinoma	6.80E-05	2075
	Rice				
Rumen	straw	Negative	cell viability of fibroblast cell lines	6.93E-05	51
	Rice				
Rumen	straw	Negative	activation of leukocytes	6.94E-05	268
	Rice				
Rumen	straw	Negative	concentration of cholesterol	7.17E-05	117
Rumen	Rice	Negative	formation of thymus gland	7.19E-05	69

	straw				
	Rice				
Rumen	straw	Negative	cell death of cerebral cortex cells	7.19E-05	94
	Rice				
Rumen	straw	Negative	cell death of tumor	7.31E-05	151
	Rice				
Rumen	straw	Negative	morphogenesis of neurons	7.43E-05	167
	Rice				
Rumen	straw	Negative	atherosclerosis	7.54E-05	181
	Rice				
Rumen	straw	Negative	production of reactive oxygen species	7.56E-05	145
	Rice				
Rumen	straw	Negative	apoptosis of embryonic cell lines	7.64E-05	76
	Rice				
Rumen	straw	Negative	development of mononuclear leukocytes	7.66E-05	216
	Rice				
Rumen	straw	Negative	vaso-occlusion	7.68E-05	187
	Rice				
Rumen	straw	Negative	morphology of epithelial cells	7.78E-05	93
	Rice				
Rumen	straw	Negative	apoptosis of hematopoietic cells	7.78E-05	89
	Rice				
Rumen	straw	Negative	outgrowth of cells	7.98E-05	170
	Rice				
Rumen	straw	Negative	cell movement of kidney cell lines	8.07E-05	61
	Rice				
Rumen	straw	Negative	formation of muscle cells	8.23E-05	75
	Rice				
Rumen	straw	Negative	arrest in proliferation of cells	8.49E-05	88
	Rice				
Rumen	straw	Negative	quantity of steroid	8.52E-05	182
	Rice				
Rumen	straw	Negative	accumulation of sterol	8.58E-05	33
	Rice				
Rumen	straw	Negative	intraepithelial neoplasia	8.58E-05	60
	Rice				
Rumen	straw	Negative	quantity of interleukin	8.58E-05	60
	Rice				
Rumen	straw	Negative	proliferation of lymphatic system cells	9.05E-05	83
	Rice				
Rumen	straw	Negative	occlusion of artery	9.05E-05	185
	Rice				
Rumen	straw	Negative	abnormal morphology of lung	9.19E-05	76
Rumen	Rice	Negative	proliferation of mesenchymal cells	9.22E-05	42

	straw				
	Rice				
Rumen	straw	Negative	abnormal morphology of gonad	9.22E-05	144
	Rice				
Rumen	straw	Negative	allergy	9.24E-05	159
	Rice				
Rumen	straw	Negative	recruitment of cells	9.32E-05	141
	Rice				
Rumen	straw	Negative	size of embryo	9.32E-05	141
	Rice				
Rumen	straw	Negative	progression of tumor	9.33E-05	68
	Rice				
Rumen	straw	Negative	serine phosphorylation of peptide	9.46E-05	39
	Rice				
Rumen	straw	Negative	colon cancer	9.52E-05	1316
	Rice				
Rumen	straw	Negative	influx of cation	9.54E-05	80
	Rice				
Rumen	straw	Negative	T cell homeostasis	9.59E-05	200
	Rice				
Rumen	straw	Negative	neovascularization of organ	9.59E-05	49
	Rice				
Rumen	straw	Negative	G1 phase	9.64E-05	153
	Rice				
Rumen	straw	Negative	quantity of thymocytes	9.72E-05	94
	Rice				
Rumen	straw	Negative	morphology of lymphoid organ	9.91E-05	154
	Rice				
Rumen	straw	Negative	transport of cation	9.91E-05	158
	Rice				
Rumen	straw	Negative	apoptosis of liver	9.91E-05	67
	Rice				
Rumen	straw	Negative	transport of monosaccharide	9.91E-05	67
	Rice				
Rumen	straw	Negative	occlusion of blood vessel	1.02E-04	187
	Rice				
Rumen	straw	Negative	size of cells	1.03E-04	168
	Rice				
Rumen	straw	Negative	flux of ion	1.03E-04	128
	Rice				
Rumen	straw	Negative	colon tumor	1.04E-04	1323
	Rice				
Rumen	straw	Negative	apoptosis of leukocytes	1.04E-04	178
Rumen	Rice	Negative	neoplasia of colon	1.05E-04	1319

	straw					
	Rice					
Rumen	straw	Negative	proliferation of bone marrow cells	1.06E-04	52	
	Rice					
Rumen	straw	Negative	long-term potentiation of synapse	1.06E-04	63	
	Rice					
Rumen	straw	Negative	migration of smooth muscle cells	1.06E-04	63	
	Rice					
Rumen	straw	Negative	transport of metal	1.06E-04	132	
	Rice					
Rumen	straw	Negative	modification of palmitic acid	1.07E-04	26	
	Rice					
Rumen	straw	Negative	accumulation of cells	1.08E-04	139	
	Rice					
Rumen	straw	Negative	activation of blood cells	1.09E-04	284	
	Rice					
Rumen	straw	Negative	colorectal neoplasia	1.09E-04	1537	
	Rice					
Rumen	straw	Negative	serous neoplasm	1.09E-04	234	
	Rice					
Rumen	straw	Negative	quantity of muscle cells	1.10E-04	51	
	Rice					
Rumen	straw	Negative	abnormal morphology of axial skeleton	1.11E-04	80	
	Rice					
Rumen	straw	Negative	quantity of metal	1.12E-04	193	
	Corn					
Rumen	stover	Positive	proliferation of cells	6.36E-51	1545	
	Corn					
Rumen	stover	Positive	morbidity or mortality	2.78E-41	1057	
	Corn					
Rumen	stover	Positive	organismal death	3.69E-41	1044	
	Corn					
Rumen	stover	Positive	cancer	1.75E-38	3805	
	Corn					
Rumen	stover	Positive	cell death	6.71E-38	1364	
	Corn					
Rumen	stover	Positive	malignant solid tumor	3.33E-37	3759	
	Corn					
Rumen	stover	Positive	necrosis	5.93E-33	1073	
	Corn					
Rumen	stover	Positive	organization of cytoplasm	2.20E-32	692	
	Corn					
Rumen	stover	Positive	apoptosis	2.39E-32	1095	
Rumen	Corn	Positive	cell movement	1.77E-29	899	

	stover				
	Corn				
Rumen	stover	Positive	organization of cytoskeleton	2.34E-29	629
	Corn				
Rumen	stover	Positive	morphology of cells	1.05E-26	821
	Corn				
Rumen	stover	Positive	tumorigenesis of tissue	8.05E-25	3169
	Corn				
Rumen	stover	Positive	neoplasia of epithelial tissue	7.91E-24	3116
	Corn				
Rumen	stover	Positive	migration of cells	2.09E-23	791
	Corn				
Rumen	stover	Positive	epithelial cancer	2.36E-23	3086
	Corn				
Rumen	stover	Positive	abdominal neoplasm	3.68E-22	3084
	Corn				
Rumen	stover	Positive	expression of RNA	8.02E-22	870
	Corn				
Rumen	stover	Positive	microtubule dynamics	2.47E-21	519
	Corn				
Rumen	stover	Positive	digestive organ tumor	1.79E-20	2683
	Corn				
Rumen	stover	Positive	abdominal cancer	1.80E-20	3040
	Corn				
Rumen	stover	Positive	quantity of cells	2.25E-20	728
	Corn				
Rumen	stover	Positive	digestive system cancer	2.25E-20	2659
	Corn				
Rumen	stover	Positive	cellular homeostasis	6.13E-20	637
	Corn				
Rumen	stover	Positive	transcription	1.80E-19	804
	Corn				
Rumen	stover	Positive	cell death of tumor cell lines	5.72E-19	634
	Corn				
Rumen	stover	Positive	transcription of RNA	3.15E-18	749
	Corn				
Rumen	stover	Positive	transport of molecule	1.59E-17	658
	Corn				
Rumen	stover	Positive	differentiation of cells	6.10E-17	880
	Corn				
Rumen	stover	Positive	cell survival	7.37E-17	576
	Corn				
Rumen	stover	Positive	quantity of blood cells	8.83E-17	442
Rumen	Corn	Positive	cell viability	8.83E-17	542

	stover				
	Corn				
Rumen	stover	Positive	quantity of leukocytes	1.67E-16	399
	Corn				
Rumen	stover	Positive	Viral Infection	2.46E-16	652
	Corn				
Rumen	stover	Positive	apoptosis of tumor cell lines	3.03E-16	507
	Corn				
Rumen	stover	Positive	angiogenesis	3.85E-16	394
	Corn				
Rumen	stover	Positive	formation of cellular protrusions	4.79E-16	392
	Corn				
Rumen	stover	Positive	cell movement of tumor cell lines	6.88E-16	372
	Corn				
Rumen	stover	Positive	vasculogenesis	1.30E-15	327
	Corn				
Rumen	stover	Positive	size of body	1.08E-14	367
	Corn				
Rumen	stover	Positive	morphology of body cavity	1.63E-14	493
	Corn				
Rumen	stover	Positive	morphology of cardiovascular system	2.40E-14	277
	Corn				
Rumen	stover	Positive	abnormal morphology of cells	2.99E-14	517
	Corn				
Rumen	stover	Positive	proliferation of tumor cell lines	4.57E-14	617
	Corn				
Rumen	stover	Positive	development of body trunk	9.52E-14	461
	Corn				
Rumen	stover	Positive	abnormal morphology of body cavity	1.01E-13	470
	Corn				
Rumen	stover	Positive	metabolism of carbohydrate	2.22E-13	274
	Corn				
Rumen	stover	Positive	Movement Disorders	1.12E-12	435
	Corn				
Rumen	stover	Positive	abnormal morphology of thoracic cavity	1.20E-12	258
	Corn				
Rumen	stover	Positive	transcription of DNA	1.58E-12	604
	Corn				
Rumen	stover	Positive	formation of cells	2.11E-12	406
	Corn				
Rumen	stover	Positive	invasion of cells	2.30E-12	364
	Corn				
Rumen	stover	Positive	function of blood cells	4.01E-12	256
Rumen	Corn	Positive	protein kinase cascade	5.61E-12	191

	stover				
	Corn				
Rumen	stover	Positive	migration of tumor cell lines	6.33E-12	301
	Corn				
Rumen	stover	Positive	homing of cells	6.56E-12	244
	Corn				
Rumen	stover	Positive	function of leukocytes	6.78E-12	236
	Corn				
Rumen	stover	Positive	homing	7.46E-12	250
	Corn				
Rumen	stover	Positive	development of vasculature	9.79E-12	189
	Corn				
Rumen	stover	Positive	cell movement of blood cells	1.01E-11	363
	Corn				
Rumen	stover	Positive	migration of blood cells	1.11E-11	362
	Corn				
Rumen	stover	Positive	leukocyte migration	1.41E-11	361
	Corn				
Rumen	stover	Positive	cell death of blood cells	1.72E-11	294
	Corn				
Rumen	stover	Positive	concentration of lipid	1.74E-11	338
	Corn				
Rumen	stover	Positive	abnormal morphology of cardiovascular system	1.79E-11	246
	Corn				
Rumen	stover	Positive	cell movement of leukocytes	2.30E-11	321
	Corn				
Rumen	stover	Positive	quantity of lymphocytes	3.35E-11	298
	Corn				
Rumen	stover	Positive	phosphorylation of protein	4.37E-11	308
	Corn				
Rumen	stover	Positive	cell cycle progression	5.05E-11	422
	Corn				
Rumen	stover	Positive	proliferation of neuronal cells	6.69E-11	247
	Corn				
Rumen	stover	Positive	quantity of mononuclear leukocytes	7.23E-11	307
	Corn				
Rumen	stover	Positive	organization of organelle	1.19E-10	232
	Corn				
Rumen	stover	Positive	cell viability of tumor cell lines	1.30E-10	322
	Corn				
Rumen	stover	Positive	degeneration of nervous system	1.55E-10	133
	Corn				
Rumen	stover	Positive	transactivation	1.87E-10	246
Rumen	Corn	Positive	perinatal death	2.01E-10	252

	stover				
	Corn				
Rumen	stover	Positive	activation of cells	2.03E-10	394
	Corn				
Rumen	stover	Positive	cell movement of endothelial cells	2.06E-10	159
	Corn				
Rumen	stover	Positive	growth of epithelial tissue	2.29E-10	284
	Corn				
Rumen	stover	Positive	ubiquitination of protein	2.72E-10	150
	Corn				
Rumen	stover	Positive	ubiquitination	2.72E-10	152
	Corn				
Rumen	stover	Positive	Growth Failure	4.76E-10	252
	Corn				
Rumen	stover	Positive	growth of organism	5.65E-10	340
	Corn				
Rumen	stover	Positive	cell movement of myeloid cells	7.61E-10	229
	Corn				
Rumen	stover	Positive	cell death of immune cells	7.84E-10	274
	Corn				
Rumen	stover	Positive	morphology of nervous system	7.84E-10	320
	Corn				
Rumen	stover	Positive	development of cytoplasm	8.35E-10	199
	Corn				
Rumen	stover	Positive	development of lymphatic system	9.09E-10	158
	Corn				
Rumen	stover	Positive	proliferation of blood cells	9.97E-10	341
	Corn				
Rumen	stover	Positive	interphase	1.09E-09	272
	Corn				
Rumen	stover	Positive	Neurodegeneration	1.22E-09	139
	Corn				
Rumen	stover	Positive	abnormal morphology of embryonic tissue	1.23E-09	231
	Corn				
Rumen	stover	Positive	invasion of tumor cell lines	1.31E-09	275
	Corn				
Rumen	stover	Positive	development of epithelial tissue	1.35E-09	219
	Corn				
Rumen	stover	Positive	cell death of cervical cancer cell lines	1.44E-09	155
	Corn				
Rumen	stover	Positive	synthesis of lipid	1.44E-09	293
	Corn				
Rumen	stover	Positive	development of blood cells	1.47E-09	270
Rumen	Corn	Positive	growth of tumor	1.55E-09	323

	stover				
	Corn				
Rumen	stover	Positive	morphology of head	1.62E-09	352
	Corn				
Rumen	stover	Positive	abnormal morphology of head	1.77E-09	336
	Corn				
Rumen	stover	Positive	chemotaxis	1.92E-09	229
	Corn				
Rumen	stover	Positive	infection of cells	1.92E-09	323
	Corn				
Rumen	stover	Positive	infection by Retroviridae	2.04E-09	294
	Corn				
Rumen	stover	Positive	organization of actin cytoskeleton	2.04E-09	135
	Corn				
Rumen	stover	Positive	chemotaxis of cells	2.25E-09	222
	Corn				
Rumen	stover	Positive	formation of cytoskeleton	2.38E-09	164
	Corn				
Rumen	stover	Positive	development of leukocytes	2.39E-09	245
	Corn				
Rumen	stover	Positive	cell movement of phagocytes	2.57E-09	230
	Corn				
Rumen	stover	Positive	cell spreading	2.72E-09	125
	Corn				
Rumen	stover	Positive	infection by RNA virus	3.23E-09	347
	Corn				
Rumen	stover	Positive	dysmyelination	3.55E-09	68
	Corn				
Rumen	stover	Positive	benign neoplasia	3.56E-09	368
	Corn				
Rumen	stover	Positive	accumulation of cells	3.81E-09	154
	Corn				
Rumen	stover	Positive	hepatobiliary system cancer	4.47E-09	1541
	Corn				
Rumen	stover	Positive	development of connective tissue	4.57E-09	161
	Corn				
Rumen	stover	Positive	infection by lentivirus	5.56E-09	290
	Corn				
Rumen	stover	Positive	HIV infection	6.17E-09	289
	Corn				
Rumen	stover	Positive	growth of plasma membrane projections	6.18E-09	197
	Corn				
Rumen	stover	Positive	transactivation of RNA	6.84E-09	226
Rumen	Corn	Positive	differentiation of leukocytes	6.84E-09	274

	stover				
	Corn				
Rumen	stover	Positive	liver tumor	7.10E-09	1542
	Corn				
Rumen	stover	Positive	formation of lymphoid organ	7.21E-09	119
	Corn				
Rumen	stover	Positive	growth of neurites	7.45E-09	195
	Corn				
Rumen	stover	Positive	outgrowth of plasma membrane projections	7.45E-09	174
	Corn				
Rumen	stover	Positive	liver cancer	7.45E-09	1532
	Corn				
Rumen	stover	Positive	hepatocellular carcinoma	7.56E-09	1486
	Corn				
Rumen	stover	Positive	development of neurons	7.91E-09	314
	Corn				
Rumen	stover	Positive	development of abdomen	8.41E-09	239
	Corn				
Rumen	stover	Positive	development of lymphatic system component	8.69E-09	136
	Corn				
Rumen	stover	Positive	abnormal morphology of abdomen	8.81E-09	348
	Corn				
Rumen	stover	Positive	demyelination	9.62E-09	61
	Corn				
Rumen	stover	Positive	development of cardiovascular tissue	1.08E-08	159
	Corn				
Rumen	stover	Positive	Organ Degeneration	1.14E-08	206
	Corn				
Rumen	stover	Positive	cell death of connective tissue cells	1.14E-08	247
	Corn				
Rumen	stover	Positive	formation of lymphatic system component	1.14E-08	129
	Corn				
Rumen	stover	Positive	cell movement of neutrophils	1.14E-08	131
	Corn				
Rumen	stover	Positive	abnormal morphology of nervous system	1.19E-08	292
	Corn				
Rumen	stover	Positive	outgrowth of neurites	1.22E-08	172
	Corn				
Rumen	stover	Positive	cell movement of granulocytes	1.24E-08	159
	Corn				
Rumen	stover	Positive	differentiation of blood cells	1.36E-08	335
	Corn				
Rumen	stover	Positive	colony formation of cells	1.43E-08	205
Rumen	Corn	Positive	accumulation of lipid	1.69E-08	131

	stover				
	Corn				
Rumen	stover	Positive	autophagy	1.88E-08	160
	Corn				
Rumen	stover	Positive	survival of organism	1.88E-08	283
	Corn				
Rumen	stover	Positive	neuronal cell death	1.89E-08	275
	Corn				
Rumen	stover	Positive	autosomal recessive disease	2.00E-08	362
	Corn				
Rumen	stover	Positive	proliferation of connective tissue cells	2.15E-08	242
	Corn				
Rumen	stover	Positive	accumulation of blood cells	2.47E-08	123
	Corn				
Rumen	stover	Positive	concentration of fatty acid	2.47E-08	123
	Corn				
Rumen	stover	Positive	development of hematopoietic system	2.70E-08	111
	Corn				
Rumen	stover	Positive	cellular degradation	2.78E-08	113
	Corn				
Rumen	stover	Positive	replication of RNA virus	2.88E-08	209
	Corn				
Rumen	stover	Positive	morphology of heart	2.99E-08	171
	Corn				
Rumen	stover	Positive	disorder of basal ganglia	3.25E-08	305
	Corn				
Rumen	stover	Positive	fibrogenesis	3.31E-08	173
	Corn				
Rumen	stover	Positive	colony formation	3.49E-08	220
	Corn				
Rumen	stover	Positive	migration of endothelial cells	3.95E-08	141
	Corn				
Rumen	stover	Positive	development of lymphocytes	4.09E-08	226
	Corn				
Rumen	stover	Positive	necrosis of epithelial tissue	4.26E-08	239
	Corn				
Rumen	stover	Positive	apoptosis of blood cells	4.90E-08	204
	Corn				
Rumen	stover	Positive	growth of embryo	5.10E-08	197
	Corn				
Rumen	stover	Positive	development of endothelial tissue	5.16E-08	155
	Corn				
Rumen	stover	Positive	proliferation of immune cells	5.19E-08	313
Rumen	Corn	Positive	development of mononuclear leukocytes	5.38E-08	227

	stover				
	Corn				
Rumen	stover	Positive	mitosis	5.53E-08	204
	Corn				
Rumen	stover	Positive	infection by HIV-1	6.20E-08	246
	Corn				
Rumen	stover	Positive	synthesis of carbohydrate	6.28E-08	177
	Corn				
Rumen	stover	Positive	cell death of epithelial cells	6.31E-08	204
	Corn				
Rumen	stover	Positive	degeneration of neurons	6.42E-08	106
	Corn				
Rumen	stover	Positive	T cell development	6.67E-08	206
	Corn				
Rumen	stover	Positive	neuromuscular disease	6.84E-08	345
	Corn				
Rumen	stover	Positive	proliferation of hematopoietic cells	6.86E-08	112
	Corn				
Rumen	stover	Positive	outgrowth of cells	7.00E-08	180
	Corn				
Rumen	stover	Positive	neonatal death	7.63E-08	182
	Corn				
Rumen	stover	Positive	cell movement of fibroblasts	7.67E-08	84
	Corn				
Rumen	stover	Positive	degeneration of cells	7.68E-08	146
	Corn				
Rumen	stover	Positive	formation of filaments	9.20E-08	166
	Corn				
Rumen	stover	Positive	Lymphocyte homeostasis	9.88E-08	221
	Corn				
Rumen	stover	Positive	neuritogenesis	1.03E-07	235
	Corn				
Rumen	stover	Positive	metabolism of protein	1.05E-07	376
	Corn				
Rumen	stover	Positive	neurological signs	1.06E-07	260
	Corn				
Rumen	stover	Positive	endothelial cell development	1.10E-07	149
	Corn				
Rumen	stover	Positive	uptake of carbohydrate	1.11E-07	125
	Corn				
Rumen	stover	Positive	dyskinesia	1.25E-07	247
	Corn				
Rumen	stover	Positive	growth of connective tissue	1.28E-07	257
Rumen	Corn	Positive	morphology of connective tissue	1.30E-07	189

	stover				
	Corn				
Rumen	stover	Positive	homeostasis of leukocytes	1.33E-07	224
	Corn				
Rumen	stover	Positive	formation of blood cells	1.40E-07	89
	Corn				
Rumen	stover	Positive	development of body axis	1.44E-07	403
	Corn				
Rumen	stover	Positive	replication of virus	1.58E-07	226
	Corn				
Rumen	stover	Positive	proliferation of lymphatic system cells	1.63E-07	90
	Corn				
Rumen	stover	Positive	T cell homeostasis	1.79E-07	209
	Corn				
Rumen	stover	Positive	proliferation of hematopoietic progenitor cells	1.81E-07	106
	Corn				
Rumen	stover	Positive	formation of thymus gland	1.83E-07	75
	Corn				
Rumen	stover	Positive	quantity of T lymphocytes	1.84E-07	216
	Corn				
Rumen	stover	Positive	uptake of monosaccharide	1.84E-07	116
	Corn				
Rumen	stover	Positive	fatty acid metabolism	1.98E-07	240
	Corn				
Rumen	stover	Positive	cell movement of connective tissue cells	1.98E-07	98
	Corn				
Rumen	stover	Positive	activation of DNA endogenous promoter	2.03E-07	457
	Corn				
Rumen	stover	Positive	proliferation of mononuclear leukocytes	2.07E-07	290
	Corn				
Rumen	stover	Positive	cell transformation	2.14E-07	188
	Corn				
Rumen	stover	Positive	chorea	2.14E-07	231
	Corn				
Rumen	stover	Positive	abnormal morphology of heart	2.14E-07	159
	Corn				
Rumen	stover	Positive	I-kappaB kinase/NF-kappaB cascade	2.30E-07	79
	Corn				
Rumen	stover	Positive	morphology of vessel	2.30E-07	130
	Corn				
Rumen	stover	Positive	vascularization	2.32E-07	103
	Corn				
Rumen	stover	Positive	Huntington's Disease	2.34E-07	230
Rumen	Corn	Positive	formation of plasma membrane projections	2.36E-07	238

	stover				
	Corn				
Rumen	stover	Positive	binding of DNA	2.58E-07	210
	Corn				
Rumen	stover	Positive	formation of leukocytes	2.63E-07	73
	Corn				
Rumen	stover	Positive	S phase	3.28E-07	112
	Corn				
Rumen	stover	Positive	female genital tract serous cancer	3.40E-07	159
	Corn				
Rumen	stover	Positive	congenital anomaly of musculoskeletal system	3.40E-07	288
	Corn				
Rumen	stover	Positive	morphology of blood vessel	3.76E-07	120
	Corn				
Rumen	stover	Positive	apoptosis of connective tissue cells	3.87E-07	125
	Corn				
Rumen	stover	Positive	apoptosis of pheochromocytoma cell lines	4.21E-07	46
	Corn				
Rumen	stover	Positive	development of head	4.21E-07	375
	Corn				
Rumen	stover	Positive	proliferation of lymphocytes	4.57E-07	284
	Corn				
Rumen	stover	Positive	small GTPase mediated signal transduction	4.99E-07	82
	Corn				
Rumen	stover	Positive	migration of myeloid cells	5.20E-07	75
	Corn				
Rumen	stover	Positive	midline defect	5.27E-07	113
	Corn				
Rumen	stover	Positive	proliferation of epithelial cells	5.47E-07	198
	Corn				
Rumen	stover	Positive	arrest in interphase	8.10E-07	169
	Corn				
Rumen	stover	Positive	cell death of T lymphocytes	8.52E-07	131
	Corn				
Rumen	stover	Positive	epileptic seizure	8.92E-07	75
	Corn				
Rumen	stover	Positive	inflammatory response	8.92E-07	301
	Corn				
Rumen	stover	Positive	mass of organism	9.20E-07	138
	Corn				
Rumen	stover	Positive	accumulation of leukocytes	9.46E-07	113
	Corn				
Rumen	stover	Positive	size of animal	1.06E-06	79
Rumen	Corn	Positive	apoptosis of cervical cancer cell lines	1.18E-06	118

	stover				
	Corn				
Rumen	stover	Positive	recruitment of cells	1.19E-06	146
	Corn				
Rumen	stover	Positive	cell death of mononuclear leukocytes	1.23E-06	161
	Corn				
Rumen	stover	Positive	quantity of hematopoietic cells	1.23E-06	178
	Corn				
Rumen	stover	Positive	proliferation of endothelial cells	1.23E-06	129
	Corn				
Rumen	stover	Positive	autosomal dominant disease	1.34E-06	249
	Corn				
Rumen	stover	Positive	cell death of epithelial cell lines	1.40E-06	118
	Corn				
Rumen	stover	Positive	synthesis of fatty acid	1.46E-06	129
	Corn				
Rumen	stover	Positive	abnormal morphology of reproductive system	1.46E-06	202
	Corn				
Rumen	stover	Positive	quantity of hematopoietic progenitor cells	1.56E-06	177
	Corn				
Rumen	stover	Positive	migration of phagocytes	1.59E-06	115
	Corn				
Rumen	stover	Positive	cell death of pheochromocytoma cell lines	1.63E-06	56
	Corn				
Rumen	stover	Positive	arthropathy	1.68E-06	361
	Corn				
Rumen	stover	Positive	proliferation of fibroblasts	1.68E-06	144
	Corn				
Rumen	stover	Positive	peripheral arterial disease	1.72E-06	91
	Corn				
Rumen	stover	Positive	proliferation of embryonic cells	1.75E-06	105
	Corn				
Rumen	stover	Positive	long-term potentiation	1.76E-06	103
	Corn				
Rumen	stover	Positive	activation of enzyme	1.84E-06	157
	Corn				
Rumen	stover	Positive	seizures	1.84E-06	161
	Corn				
Rumen	stover	Positive	proliferation of fibroblast cell lines	1.86E-06	170
	Corn				
Rumen	stover	Positive	morphology of reproductive system	1.87E-06	211
	Corn				
Rumen	stover	Positive	abnormal morphology of epithelial tissue	2.00E-06	168
Rumen	Corn	Positive	migration of connective tissue cells	2.10E-06	79

	stover				
	Corn				
Rumen	stover	Positive	Bleeding	2.12E-06	170
	Corn				
Rumen	stover	Positive	morphology of lymphatic system component	2.22E-06	167
	Corn				
Rumen	stover	Positive	function of phagocytes	2.29E-06	126
	Corn				
Rumen	stover	Positive	reorganization of cytoskeleton	2.31E-06	83
	Corn				
Rumen	stover	Positive	formation of T lymphocytes	2.35E-06	54
	Corn				
Rumen	stover	Positive	cell movement of antigen presenting cells	2.36E-06	142
	Corn				
Rumen	stover	Positive	quantity of connective tissue	2.45E-06	235
	Corn				
Rumen	stover	Positive	metabolism of membrane lipid derivative	2.67E-06	156
	Corn		intermediate disease stage peripheral arterial		
Rumen	stover	Positive	disease	2.69E-06	70
	Corn				
Rumen	stover	Positive	organization of filaments	2.76E-06	88
	Corn				
Rumen	stover	Positive	growth of lymphatic system component	2.86E-06	83
	Corn				
Rumen	stover	Positive	cell death of lymphocytes	2.96E-06	155
	Corn				
Rumen	stover	Positive	Cytosis	2.98E-06	131
	Corn				
Rumen	stover	Positive	proliferation of bone marrow cells	3.05E-06	55
	Corn				
Rumen	stover	Positive	muscle tumor	3.23E-06	146
	Corn				
Rumen	stover	Positive	blood protein disorder	3.39E-06	151
	Corn				
Rumen	stover	Positive	formation of hematopoietic progenitor cells	3.54E-06	58
	Corn				
Rumen	stover	Positive	connective or soft tissue tumor	3.55E-06	271
	Corn				
Rumen	stover	Positive	activation of blood cells	3.57E-06	286
	Corn				
Rumen	stover	Positive	arthritis	3.63E-06	353
	Corn				
Rumen	stover	Positive	metabolism of monosaccharide	3.92E-06	56
Rumen	Corn	Positive	homing of blood cells	4.03E-06	152

	stover				
	Corn				
Rumen	stover	Positive	concentration of phospholipid	4.07E-06	79
	Corn				
Rumen	stover	Positive	behavior	4.08E-06	371
	Corn				
Rumen	stover	Positive	migration of granulocytes	4.12E-06	64
	Corn				
Rumen	stover	Positive	cell death of tumor	4.12E-06	153
	Corn				
Rumen	stover	Positive	morphology of bone	4.25E-06	178
	Corn				
Rumen	stover	Positive	abnormal morphology of bone	4.29E-06	173
	Corn				
Rumen	stover	Positive	formation of mononuclear leukocytes	4.34E-06	59
	Corn				
Rumen	stover	Positive	morphology of central nervous system	4.46E-06	201
	Corn				
Rumen	stover	Positive	proliferation of T lymphocytes	4.49E-06	234
	Corn				
Rumen	stover	Positive	engulfment of cells	4.73E-06	162
	Corn				
Rumen	stover	Positive	formation of lymphocytes	4.87E-06	57
	Corn				
Rumen	stover	Positive	necrosis of tumor	5.23E-06	152
	Corn				
Rumen	stover	Positive	function of cardiovascular system	5.23E-06	148
	Corn				
Rumen	stover	Positive	movement of vascular endothelial cells	5.49E-06	78
	Corn				
Rumen	stover	Positive	cell death of fibroblasts	5.63E-06	109
	Corn				
Rumen	stover	Positive	apoptosis of leukocytes	5.63E-06	180
	Corn				
Rumen	stover	Positive	growth of muscle tissue	6.24E-06	149
	Corn				
Rumen	stover	Positive	recruitment of leukocytes	6.31E-06	131
	Corn				
Rumen	stover	Positive	quantity of carbohydrate	6.35E-06	202
	Corn				
Rumen	stover	Positive	chemotaxis of myeloid cells	6.35E-06	119
	Corn				
Rumen	stover	Positive	differentiation of T lymphocytes	6.62E-06	151
Rumen	Corn	Positive	chemotaxis of phagocytes	6.71E-06	120

	stover				
	Corn				
Rumen	stover	Positive	ruffling	6.77E-06	50
	Corn				
Rumen	stover	Positive	differentiation of mononuclear leukocytes	6.93E-06	210
	Corn				
Rumen	stover	Positive	breast or colorectal cancer	7.23E-06	1711
	Corn				
Rumen	stover	Positive	homing of leukocytes	7.30E-06	150
	Corn		abnormal morphology of central nervous		
Rumen	stover	Positive	system	7.39E-06	189
	Corn				
Rumen	stover	Positive	entrance of Ca ²⁺	7.44E-06	38
	Corn				
Rumen	stover	Positive	function of mononuclear leukocytes	8.03E-06	137
	Corn				
Rumen	stover	Positive	uptake of D-hexose	8.03E-06	93
	Corn				
Rumen	stover	Positive	quantity of macrophages	8.03E-06	85
	Corn				
Rumen	stover	Positive	neurotransmission	8.03E-06	163
	Corn				
Rumen	stover	Positive	quantity of myeloid cells	8.36E-06	142
	Corn				
Rumen	stover	Positive	transport of protein	8.61E-06	122
	Corn				
Rumen	stover	Positive	branching of cells	8.61E-06	147
	Corn				
Rumen	stover	Positive	development of digestive system	8.73E-06	152
	Corn				
Rumen	stover	Positive	cell viability of cervical cancer cell lines	8.73E-06	92
	Corn				
Rumen	stover	Positive	uptake of D-glucose	8.73E-06	92
	Corn				
Rumen	stover	Positive	quantity of phagocytes	8.73E-06	167
	Corn				
Rumen	stover	Positive	formation of muscle	8.76E-06	157
	Corn				
Rumen	stover	Positive	concentration of phosphatidic acid	8.86E-06	60
	Corn				
Rumen	stover	Positive	growth of embryonic tissue	9.23E-06	112
	Corn				
Rumen	stover	Positive	differentiation of connective tissue cells	9.32E-06	246
Rumen	Corn	Positive	apoptosis of epithelial cell lines	9.45E-06	93

	stover				
	Corn				
Rumen	stover	Positive	cell movement of lymphocytes	9.67E-06	156
	Corn				
Rumen	stover	Positive	morphogenesis of neurons	9.80E-06	167
	Corn				
Rumen	stover	Positive	serous neoplasm	9.80E-06	234
	Corn				
Rumen	stover	Positive	recruitment of blood cells	9.80E-06	132
	Corn				
Rumen	stover	Positive	autophagy of cells	9.90E-06	108
	Corn				
Rumen	stover	Positive	function of lymphocytes	9.90E-06	136
	Corn				
Rumen	stover	Positive	infection of embryonic cell lines	1.07E-05	112
	Corn				
Rumen	stover	Positive	infection of epithelial cell lines	1.07E-05	112
	Corn				
Rumen	stover	Positive	congenital malformation of skeleton	1.07E-05	166
	Corn				
Rumen	stover	Positive	death of perinatal stage organism	1.08E-05	39
	Corn				
Rumen	stover	Positive	cell death of stem cells	1.09E-05	40
	Corn				
Rumen	stover	Positive	proliferation of muscle cells	1.09E-05	147
	Corn				
Rumen	stover	Positive	benign neoplasm of female genital organ	1.09E-05	167
	Corn				
Rumen	stover	Positive	proliferation of tumor cells	1.15E-05	183
	Corn				
Rumen	stover	Positive	seizure disorder	1.15E-05	183
	Corn				
Rumen	stover	Positive	abnormal morphology of blood vessel	1.15E-05	108
	Corn				
Rumen	stover	Positive	homing of endothelial cells	1.15E-05	32
	Corn				
Rumen	stover	Positive	differentiation of lymphocytes	1.17E-05	193
	Corn				
Rumen	stover	Positive	paraproteinemia	1.20E-05	134
	Corn				
Rumen	stover	Positive	skin abnormality	1.20E-05	94
	Corn				
Rumen	stover	Positive	breast or ovarian cancer	1.20E-05	684
Rumen	Corn	Positive	cell movement of mononuclear leukocytes	1.21E-05	180

	stover				
	Corn				
Rumen	stover	Positive	cell death of tumor cells	1.22E-05	147
	Corn				
Rumen	stover	Positive	quantity of antigen presenting cells	1.22E-05	112
	Corn				
Rumen	stover	Positive	synthesis of nitric oxide	1.22E-05	112
	Corn				
Rumen	stover	Positive	formation of thymocytes	1.27E-05	48
	Corn				
Rumen	stover	Positive	quantity of lymphatic system component	1.29E-05	149
	Corn				
Rumen	stover	Positive	differentiation of connective tissue	1.29E-05	276
	Corn				
Rumen	stover	Positive	formation of skin	1.30E-05	145
	Corn				
Rumen	stover	Positive	craniofacial abnormality	1.31E-05	141
	Corn				
Rumen	stover	Positive	Gastrointestinal Tract Cancer and Tumors	1.34E-05	1764
	Corn				
Rumen	stover	Positive	abnormal morphology of lymphoid organ	1.47E-05	149
	Corn				
Rumen	stover	Positive	formation of eye	1.47E-05	171
	Corn				
Rumen	stover	Positive	Hypoplasia	1.47E-05	195
	Corn				
Rumen	stover	Positive	formation of actin filaments	1.48E-05	122
	Corn				
Rumen	stover	Positive	gastrointestinal carcinoma	1.50E-05	1561
	Corn				
Rumen	stover	Positive	quantity of lymphoid organ	1.54E-05	123
	Corn				
Rumen	stover	Positive	smooth muscle tumor	1.64E-05	121
	Corn				
Rumen	stover	Positive	cell death of cerebral cortex cells	1.69E-05	94
	Corn				
Rumen	stover	Positive	cell death of muscle cells	1.73E-05	133
	Corn				
Rumen	stover	Positive	plasma cell dyscrasia	1.73E-05	133
	Corn				
Rumen	stover	Positive	development of sensory organ	1.74E-05	216
	Corn				
Rumen	stover	Positive	formation of lamellipodia	1.74E-05	69
Rumen	Corn	Positive	cell movement of muscle cells	1.75E-05	76

	stover				
	Corn				
Rumen	stover	Positive	adhesion of immune cells	1.77E-05	138
	Corn				
Rumen	stover	Positive	infection of kidney cell lines	1.84E-05	114
	Corn				
Rumen	stover	Positive	length of cells	1.84E-05	46
	Corn				
Rumen	stover	Positive	oral cancer	1.84E-05	93
	Corn				
Rumen	stover	Positive	morphology of respiratory system	1.84E-05	124
	Corn				
Rumen	stover	Positive	cellular infiltration of blood cells	2.03E-05	152
	Corn				
Rumen	stover	Positive	transmigration of cells	2.07E-05	67
	Corn				
Rumen	stover	Positive	morphology of brain	2.11E-05	180
	Corn				
Rumen	stover	Positive	peripheral vascular disease	2.12E-05	149
	Corn				
Rumen	stover	Positive	quantity of IL-6 in blood	2.12E-05	40
	Corn				
Rumen	stover	Positive	morphology of digestive system	2.12E-05	218
	Corn				
Rumen	stover	Positive	genital tumor	2.18E-05	1396
	Corn				
Rumen	stover	Positive	adhesion of tumor cell lines	2.23E-05	115
	Corn				
Rumen	stover	Positive	multiple congenital anomalies	2.30E-05	164
	Corn				
Rumen	stover	Positive	morphology of lymphoid organ	2.34E-05	153
	Corn				
Rumen	stover	Positive	formation of muscle cells	2.34E-05	75
	Corn				
Rumen	stover	Positive	cell movement of macrophages	2.34E-05	107
	Corn				
Rumen	stover	Positive	oral tumor	2.40E-05	120
	Corn				
Rumen	stover	Positive	apoptosis of epithelial cells	2.47E-05	114
	Corn				
Rumen	stover	Positive	synaptic transmission	2.57E-05	133
	Corn				
Rumen	stover	Positive	oral squamous cell carcinoma	2.57E-05	74
Rumen	Corn	Positive	binding of protein binding site	2.58E-05	115

	stover				
	Corn				
Rumen	stover	Positive	adenocarcinoma	2.65E-05	2209
	Corn				
Rumen	stover	Positive	dysgenesis	2.68E-05	206
	Corn				
Rumen	stover	Positive	colony formation of tumor cell lines	2.73E-05	110
	Corn				
Rumen	stover	Positive	metabolism of DNA	2.73E-05	155
	Corn				
Rumen	stover	Positive	Thrombosis	2.73E-05	71
	Corn				
Rumen	stover	Positive	cellular infiltration by leukocytes	2.84E-05	151
	Corn				
Rumen	stover	Positive	degeneration of central nervous system	2.84E-05	57
	Corn				
Rumen	stover	Positive	apoptosis of muscle	2.85E-05	105
	Corn				
Rumen	stover	Positive	gastrointestinal tract cancer	2.86E-05	1732
	Corn				
Rumen	stover	Positive	cell movement of smooth muscle cells	2.88E-05	68
	Corn				
Rumen	stover	Positive	abnormal morphology of brain	2.89E-05	172
	Corn				
Rumen	stover	Positive	adhesion of blood cells	2.89E-05	147
	Corn				
Rumen	stover	Positive	metabolism of hexose	2.97E-05	48
	Corn				
Rumen	stover	Positive	cognition	3.01E-05	175
	Corn				
Rumen	stover	Positive	invasion of tumor	3.03E-05	98
	Corn				
Rumen	stover	Positive	cell death of muscle	3.06E-05	135
	Corn				
Rumen	stover	Positive	cellular infiltration	3.08E-05	169
	Corn				
Rumen	stover	Positive	morphogenesis of neurites	3.08E-05	162
	Corn				
Rumen	stover	Positive	metabolism of polysaccharide	3.13E-05	96
	Corn				
Rumen	stover	Positive	mammary tumor	3.19E-05	587
	Corn				
Rumen	stover	Positive	fertility	3.26E-05	142
Rumen	Corn	Positive	advanced malignant tumor	3.31E-05	314

	stover				
	Corn				
Rumen	stover	Positive	differentiation of muscle cell lines	3.55E-05	68
	Corn				
Rumen	stover	Positive	abdominal adenocarcinoma	3.61E-05	2011
	Corn				
Rumen	stover	Positive	apoptosis of muscle cells	3.66E-05	104
	Corn				
Rumen	stover	Positive	activation of leukocytes	3.68E-05	262
	Corn				
Rumen	stover	Positive	shape change of tumor cell lines	3.71E-05	65
	Corn				
Rumen	stover	Positive	abnormal morphology of respiratory system	3.75E-05	121
	Corn				
Rumen	stover	Positive	recruitment of phagocytes	3.77E-05	99
	Corn				
Rumen	stover	Positive	necrosis of muscle	3.85E-05	134
	Corn				
Rumen	stover	Positive	size of embryo	3.87E-05	139
	Corn				
Rumen	stover	Positive	cell movement of leukemia cell lines	3.87E-05	59
	Corn				
Rumen	stover	Positive	stress response of cells	3.87E-05	59
	Corn				
Rumen	stover	Positive	quantity of B lymphocytes	3.94E-05	135
	Corn				
Rumen	stover	Positive	migration of muscle cells	3.95E-05	69
	Corn				
Rumen	stover	Positive	morphology of cardiovascular tissue	4.01E-05	40
	Corn				
Rumen	stover	Positive	recruitment of macrophages	4.09E-05	47
	Corn				
Rumen	stover	Positive	proliferation of smooth muscle cells	4.11E-05	113
	Corn				
Rumen	stover	Positive	synthesis of polysaccharide	4.11E-05	75
	Corn				
Rumen	stover	Positive	chronic psoriasis	4.11E-05	61
	Corn				
Rumen	stover	Positive	Dermatitis	4.12E-05	167
	Corn				
Rumen	stover	Positive	cell death of hematopoietic cell lines	4.17E-05	93
	Corn				
Rumen	stover	Positive	learning	4.21E-05	161
Rumen	Corn	Positive	apoptosis of T lymphocytes	4.33E-05	111

	stover				
	Corn				
Rumen	stover	Positive	apoptosis of mononuclear leukocytes	4.33E-05	139
	Corn				
Rumen	stover	Positive	development of hematopoietic tissue	4.39E-05	54
	Corn				
Rumen	stover	Positive	cell death of brain	4.44E-05	115
	Corn				
Rumen	stover	Positive	oral cavity carcinoma	4.44E-05	80
	Corn				
Rumen	stover	Positive	quantity of lymphatic system cells	4.57E-05	109
	Corn				
Rumen	stover	Positive	Ovarian Cancer and Tumors	4.63E-05	282
	Corn				
Rumen	stover	Positive	benign connective or soft tissue neoplasm	4.64E-05	142
	Corn				
Rumen	stover	Positive	leiomyomatosis	4.70E-05	113
	Corn				
Rumen	stover	Positive	formation of filopodia	4.77E-05	69
	Corn				
Rumen	stover	Positive	function of antigen presenting cells	4.77E-05	98
	Corn				
Rumen	stover	Positive	growth of skin	4.88E-05	88
	Corn				
Rumen	stover	Positive	cell death of breast cancer cell lines	4.94E-05	130
	Corn				
Rumen	stover	Positive	susceptibility to endotoxin shock	4.94E-05	25
	Corn				
Rumen	stover	Positive	formation of actin stress fibers	4.97E-05	96
	Corn				
Rumen	stover	Positive	chronic myeloproliferative disorder	5.07E-05	66
	Corn				
Rumen	stover	Positive	apoptosis of neurons	5.08E-05	167
	Corn				
Rumen	stover	Positive	chemotaxis of endothelial cells	5.11E-05	30
	Corn				
Rumen	stover	Positive	cellular infiltration of cells	5.11E-05	153
	Corn				
Rumen	stover	Positive	cell death of B-lymphocyte derived cell lines	5.14E-05	55
	Corn				
Rumen	stover	Positive	immune response of cells	5.23E-05	216
	Corn				
Rumen	stover	Positive	apoptosis of cerebral cortex cells	5.25E-05	47
Rumen	Corn	Positive	chronic myeloid leukemia	5.25E-05	47

	stover				
	Corn				
Rumen	stover	Positive	sprouting	5.31E-05	149
	Corn				
Rumen	stover	Positive	cell death of cortical neurons	5.31E-05	72
	Corn				
Rumen	stover	Positive	G1 phase	5.40E-05	150
	Corn				
Rumen	stover	Positive	migration of breast cancer cell lines	5.51E-05	98
	Corn				
Rumen	stover	Positive	morphology of endothelial tissue	5.62E-05	38
	Corn				
Rumen	stover	Positive	grade 1 lymphocytic cancer	5.67E-05	33
	Corn				
Rumen	stover	Positive	synthesis of DNA	5.69E-05	160
	Corn				
Rumen	stover	Positive	metastasis	5.74E-05	282
	Corn				
Rumen	stover	Positive	migration of cancer cells	5.74E-05	79
	Corn				
Rumen	stover	Positive	transport of carbohydrate	5.74E-05	79
	Corn				
Rumen	stover	Positive	cell death of sarcoma cell lines	5.84E-05	91
	Corn				
Rumen	stover	Positive	gonadal tumor	5.85E-05	303
	Corn				
Rumen	stover	Positive	apoptosis of B-lymphocyte derived cell lines	5.87E-05	53
	Corn				
Rumen	stover	Positive	quantity of interleukin	5.87E-05	59
	Corn				
Rumen	stover	Positive	activation of Protein kinase	6.07E-05	100
	Corn				
Rumen	stover	Positive	differentiation of epithelial tissue	6.09E-05	139
	Corn				
Rumen	stover	Positive	secretory pathway	6.21E-05	80
	Corn				
Rumen	stover	Positive	differentiation of tumor cell lines	6.26E-05	146
	Corn				
Rumen	stover	Positive	abnormal morphology of skeleton	6.28E-05	107
	Corn				
Rumen	stover	Positive	function of myeloid cells	6.28E-05	95
	Corn				
Rumen	stover	Positive	accumulation of myeloid cells	6.36E-05	72
Rumen	Corn	Positive	formation of connective tissue cells	6.37E-05	85

	stover				
	Corn				
Rumen	stover	Positive	migration of tumor cells	6.38E-05	90
	Corn				
Rumen	stover	Positive	migration of fibroblasts	6.74E-05	60
	Corn				
Rumen	stover	Positive	quantity of immunoglobulin	6.78E-05	116
	Corn				
Rumen	stover	Positive	apoptosis of lymphocytes	6.90E-05	134
	Corn				
Rumen	stover	Positive	development of genitourinary system	7.02E-05	326
	Corn				
Rumen	stover	Positive	migration of smooth muscle cells	7.03E-05	62
	Corn				
Rumen	stover	Positive	development of connective tissue cells	7.06E-05	89
	Corn				
Rumen	stover	Positive	morphology of genital organ	7.20E-05	162
	Corn				
Rumen	stover	Positive	cell death of embryonic cells	7.21E-05	50
	Corn				
Rumen	stover	Positive	quantity of thymocytes	7.21E-05	92
	Corn				
Rumen	stover	Positive	abnormal morphology of digestive system	7.22E-05	205
	Corn				
Rumen	stover	Positive	development of bone marrow	7.42E-05	53
	Corn				
Rumen	stover	Positive	hereditary neuropathy	7.57E-05	68
	Corn				
Rumen	stover	Positive	migration of leukemia cell lines	7.81E-05	37
	Corn				
Rumen	stover	Positive	replication of Influenza virus	7.98E-05	113
	Corn				
Rumen	stover	Positive	invasion of tissue	8.14E-05	79
	Corn				
Rumen	stover	Positive	aggregation of cells	8.14E-05	126
	Corn				
Rumen	stover	Positive	neovascularization	8.33E-05	67
	Corn				
Rumen	stover	Positive	cell movement of tumor cells	8.37E-05	75
	Corn				
Rumen	stover	Positive	bone mineral density	8.44E-05	71
	Corn				
Rumen	stover	Positive	uterine serous papillary cancer	8.45E-05	92
Rumen	Corn	Positive	attachment of cells	8.62E-05	57

	stover				
	Corn				
Rumen	stover	Positive	chronic inflammatory disorder	8.64E-05	355
	Corn				
Rumen	stover	Positive	accumulation of granulocytes	8.79E-05	47
	Corn				
Rumen	stover	Positive	proliferation of cancer cells	8.84E-05	140
	Corn				
Rumen	stover	Positive	entry into S phase	9.06E-05	59
	Corn				
Rumen	stover	Positive	generation of lymphocytes	9.06E-05	59
	Corn				
Rumen	stover	Positive	formation of lung	9.12E-05	117
	Corn				
Rumen	stover	Negative	organismal death	2.27E-27	650
	Corn				
Rumen	stover	Negative	proliferation of cells	2.27E-27	926
	Corn				
Rumen	stover	Negative	morbidity or mortality	7.15E-27	654
	Corn				
Rumen	stover	Negative	morphology of cells	3.69E-22	529
	Corn				
Rumen	stover	Negative	cell death	2.28E-21	823
	Corn				
Rumen	stover	Negative	malignant solid tumor	2.66E-20	2245
	Corn				
Rumen	stover	Negative	necrosis	3.23E-20	656
	Corn				
Rumen	stover	Negative	cancer	3.42E-20	2268
	Corn				
Rumen	stover	Negative	apoptosis	5.31E-19	665
	Corn				
Rumen	stover	Negative	cell movement	6.97E-19	554
	Corn				
Rumen	stover	Negative	cell survival	6.42E-17	383
	Corn				
Rumen	stover	Negative	organization of cytoplasm	7.28E-17	414
	Corn				
Rumen	stover	Negative	quantity of cells	2.47E-16	464
	Corn				
Rumen	stover	Negative	transport of molecule	1.51E-15	426
	Corn				
Rumen	stover	Negative	cell viability	1.67E-15	356
Rumen	Corn	Negative	migration of cells	3.17E-15	488

	stover				
	Corn				
Rumen	stover	Negative	organization of cytoskeleton	3.17E-15	376
	Corn				
Rumen	stover	Negative	transcription	7.33E-15	506
	Corn				
Rumen	stover	Negative	expression of RNA	1.46E-14	537
	Corn				
Rumen	stover	Negative	transcription of RNA	3.39E-14	473
	Corn				
Rumen	stover	Negative	vasculogenesis	1.53E-13	217
	Corn				
Rumen	stover	Negative	cell movement of tumor cell lines	2.08E-13	244
	Corn				
Rumen	stover	Negative	development of vasculature	3.68E-13	136
	Corn				
Rumen	stover	Negative	morphology of cardiovascular system	7.31E-13	186
	Corn				
Rumen	stover	Negative	proliferation of tumor cell lines	7.51E-13	399
	Corn				
Rumen	stover	Negative	tumorigenesis of tissue	7.82E-13	1888
	Corn				
Rumen	stover	Negative	transcription of DNA	1.30E-12	395
	Corn				
Rumen	stover	Negative	invasion of cells	1.37E-12	245
	Corn				
Rumen	stover	Negative	abnormal morphology of cells	1.42E-12	335
	Corn				
Rumen	stover	Negative	proliferation of connective tissue cells	1.66E-12	178
	Corn				
Rumen	stover	Negative	cell death of tumor cell lines	1.74E-12	392
	Corn				
Rumen	stover	Negative	neoplasia of epithelial tissue	2.61E-12	1856
	Corn				
Rumen	stover	Negative	angiogenesis	6.08E-12	251
	Corn				
Rumen	stover	Negative	growth of connective tissue	9.27E-12	188
	Corn				
Rumen	stover	Negative	microtubule dynamics	9.27E-12	313
	Corn				
Rumen	stover	Negative	abnormal morphology of cardiovascular system	1.07E-11	169
	Corn				
Rumen	stover	Negative	epithelial cancer	1.26E-11	1835
Rumen	Corn	Negative	differentiation of cells	2.12E-11	541

	stover				
	Corn				
Rumen	stover	Negative	apoptosis of tumor cell lines	2.54E-11	317
	Corn				
Rumen	stover	Negative	perinatal death	6.08E-11	173
	Corn				
Rumen	stover	Negative	cellular homeostasis	1.69E-10	381
	Corn				
Rumen	stover	Negative	morphology of body cavity	2.32E-10	309
	Corn				
Rumen	stover	Negative	abnormal morphology of thoracic cavity	2.50E-10	169
	Corn				
Rumen	stover	Negative	quantity of leukocytes	2.95E-10	246
	Corn				
Rumen	stover	Negative	cell viability of tumor cell lines	3.53E-10	214
	Corn				
Rumen	stover	Negative	quantity of blood cells	5.47E-10	270
	Corn				
Rumen	stover	Negative	formation of cells	5.47E-10	260
	Corn				
Rumen	stover	Negative	Movement Disorders	5.47E-10	277
	Corn				
Rumen	stover	Negative	cell death of connective tissue cells	7.99E-10	171
	Corn				
Rumen	stover	Negative	abdominal neoplasm	9.52E-10	1824
	Corn				
Rumen	stover	Negative	abnormal morphology of body cavity	1.05E-09	294
	Corn				
Rumen	stover	Negative	migration of tumor cell lines	1.12E-09	195
	Corn				
Rumen	stover	Negative	ubiquitination	1.12E-09	105
	Corn				
Rumen	stover	Negative	morphology of heart	1.37E-09	122
	Corn				
Rumen	stover	Negative	ubiquitination of protein	1.99E-09	103
	Corn				
Rumen	stover	Negative	invasion of tumor cell lines	2.32E-09	184
	Corn				
Rumen	stover	Negative	cell transformation	4.32E-09	134
	Corn				
Rumen	stover	Negative	transactivation	5.34E-09	162
	Corn				
Rumen	stover	Negative	colony formation	5.42E-09	152
Rumen	Corn	Negative	digestive organ tumor	6.60E-09	1584

	stover				
	Corn				
Rumen	stover	Negative	proliferation of fibroblast cell lines	7.97E-09	124
	Corn				
Rumen	stover	Negative	abdominal cancer	9.57E-09	1796
	Corn				
Rumen	stover	Negative	formation of cellular protrusions	9.57E-09	236
	Corn				
Rumen	stover	Negative	organization of organelle	1.53E-08	151
	Corn				
Rumen	stover	Negative	transactivation of RNA	1.53E-08	152
	Corn				
Rumen	stover	Negative	size of body	1.83E-08	223
	Corn				
Rumen	stover	Negative	digestive system cancer	1.97E-08	1566
	Corn				
Rumen	stover	Negative	development of cytoplasm	1.97E-08	132
	Corn				
Rumen	stover	Negative	colony formation of cells	2.22E-08	139
	Corn				
Rumen	stover	Negative	development of connective tissue	3.49E-08	109
	Corn				
Rumen	stover	Negative	morphology of vessel	3.81E-08	93
	Corn				
Rumen	stover	Negative	quantity of mononuclear leukocytes	4.17E-08	195
	Corn				
Rumen	stover	Negative	protein kinase cascade	4.17E-08	121
	Corn				
Rumen	stover	Negative	disorder of basal ganglia	4.60E-08	202
	Corn				
Rumen	stover	Negative	growth of epithelial tissue	4.64E-08	182
	Corn				
Rumen	stover	Negative	proliferation of blood cells	4.87E-08	219
	Corn				
Rumen	stover	Negative	neuromuscular disease	5.15E-08	228
	Corn				
Rumen	stover	Negative	quantity of lymphocytes	5.33E-08	188
	Corn				
Rumen	stover	Negative	abnormal morphology of heart	6.66E-08	111
	Corn				
Rumen	stover	Negative	differentiation of epithelial tissue	7.50E-08	105
	Corn				
Rumen	stover	Negative	activation of DNA endogenous promoter	7.70E-08	299
Rumen	Corn	Negative	formation of cytoskeleton	7.70E-08	109

	stover				
	Corn				
Rumen	stover	Negative	proliferation of fibroblasts	9.87E-08	103
	Corn				
Rumen	stover	Negative	proliferation of immune cells	1.03E-07	206
	Corn				
Rumen	stover	Negative	apoptosis of heart cells	1.05E-07	62
	Corn				
Rumen	stover	Negative	proliferation of neuronal cells	1.19E-07	156
	Corn				
Rumen	stover	Negative	development of body trunk	1.50E-07	277
	Corn				
Rumen	stover	Negative	morphology of reproductive system	1.50E-07	146
	Corn				
Rumen	stover	Negative	abnormal morphology of abdomen	1.67E-07	224
	Corn				
Rumen	stover	Negative	abnormal morphology of epithelial tissue	1.77E-07	118
	Corn				
Rumen	stover	Negative	cell movement of endothelial cells	2.22E-07	102
	Corn				
Rumen	stover	Negative	abnormal morphology of reproductive system	2.44E-07	139
	Corn				
Rumen	stover	Negative	growth of organism	2.55E-07	214
	Corn				
Rumen	stover	Negative	dyskinesia	2.67E-07	164
	Corn				
Rumen	stover	Negative	cell cycle progression	3.26E-07	260
	Corn				
Rumen	stover	Negative	morphology of blood vessel	3.40E-07	84
	Corn				
Rumen	stover	Negative	cell death of fibroblast cell lines	3.44E-07	119
	Corn				
Rumen	stover	Negative	Viral Infection	3.74E-07	380
	Corn				
Rumen	stover	Negative	apoptosis of fibroblast cell lines	3.74E-07	95
	Corn				
Rumen	stover	Negative	migration of endothelial cells	3.74E-07	95
	Corn				
Rumen	stover	Negative	fibrogenesis	3.88E-07	115
	Corn				
Rumen	stover	Negative	neurological signs	4.18E-07	171
	Corn				
Rumen	stover	Negative	long-term potentiation	4.44E-07	74
Rumen	Corn	Negative	differentiation of epithelial cells	5.06E-07	91

	stover				
	Corn				
Rumen	stover	Negative	apoptosis of cardiomyocytes	5.41E-07	59
	Corn				
Rumen	stover	Negative	neonatal death	5.75E-07	121
	Corn				
Rumen	stover	Negative	growth of muscle tissue	6.76E-07	105
	Corn				
Rumen	stover	Negative	Edema	6.81E-07	98
	Corn				
Rumen	stover	Negative	phosphorylation of protein	7.21E-07	189
	Corn				
Rumen	stover	Negative	growth of plasma membrane projections	7.21E-07	127
	Corn				
Rumen	stover	Negative	proliferation of lymphocytes	7.51E-07	187
	Corn				
Rumen	stover	Negative	migration of vascular endothelial cells	7.78E-07	54
	Corn				
Rumen	stover	Negative	morphology of cardiac muscle	7.78E-07	54
	Corn				
Rumen	stover	Negative	formation of skin	8.70E-07	103
	Corn				
Rumen	stover	Negative	proliferation of muscle cells	8.87E-07	104
	Corn				
Rumen	stover	Negative	proliferation of mononuclear leukocytes	9.46E-07	189
	Corn				
Rumen	stover	Negative	cell death of heart cells	1.11E-06	67
	Corn				
Rumen	stover	Negative	formation of filaments	1.11E-06	110
	Corn				
Rumen	stover	Negative	seizure disorder	1.14E-06	127
	Corn				
Rumen	stover	Negative	interphase	1.15E-06	170
	Corn				
Rumen	stover	Negative	morphology of muscle	1.19E-06	95
	Corn				
Rumen	stover	Negative	development of lymphatic system	1.22E-06	100
	Corn				
Rumen	stover	Negative	growth of neurites	1.22E-06	125
	Corn				
Rumen	stover	Negative	apoptosis of muscle	1.27E-06	77
	Corn				
Rumen	stover	Negative	accumulation of lipid	1.28E-06	86
Rumen	Corn	Negative	development of cardiovascular tissue	1.28E-06	103

	stover				
	Corn				
Rumen	stover	Negative	fatty acid metabolism	1.28E-06	157
	Corn				
Rumen	stover	Negative	morphology of respiratory system	1.28E-06	89
	Corn				
Rumen	stover	Negative	Huntington's Disease	1.28E-06	151
	Corn				
Rumen	stover	Negative	growth of tumor	1.42E-06	201
	Corn				
Rumen	stover	Negative	organization of actin cytoskeleton	1.87E-06	86
	Corn				
Rumen	stover	Negative	apoptosis of muscle cells	2.03E-06	76
	Corn				
Rumen	stover	Negative	quantity of T lymphocytes	2.09E-06	141
	Corn				
Rumen	stover	Negative	quantity of lymphatic system component	2.26E-06	104
	Corn				
Rumen	stover	Negative	homing of cells	2.32E-06	146
	Corn				
Rumen	stover	Negative	abnormal morphology of blood vessel	2.46E-06	77
	Corn				
Rumen	stover	Negative	neuronal cell death	2.52E-06	174
	Corn				
Rumen	stover	Negative	uptake of carbohydrate	2.63E-06	83
	Corn				
Rumen	stover	Negative	morphology of head	2.93E-06	217
	Corn				
Rumen	stover	Negative	proliferation of epidermal cells	3.24E-06	53
	Corn				
Rumen	stover	Negative	cell death of blood cells	3.49E-06	176
	Corn				
Rumen	stover	Negative	movement of vascular endothelial cells	3.59E-06	56
	Corn				
Rumen	stover	Negative	cell movement of connective tissue cells	3.72E-06	66
	Corn				
Rumen	stover	Negative	cell spreading	4.07E-06	79
	Corn				
Rumen	stover	Negative	morphology of genital organ	4.07E-06	114
	Corn				
Rumen	stover	Negative	proliferation of smooth muscle cells	4.44E-06	81
	Corn				
Rumen	stover	Negative	function of cardiovascular system	4.44E-06	101
Rumen	Corn	Negative	morphogenesis of neurons	4.44E-06	114

	stover				
	Corn				
Rumen	stover	Negative	uptake of monosaccharide	4.64E-06	77
	Corn				
Rumen	stover	Negative	abnormal morphology of respiratory system	4.77E-06	86
	Corn				
Rumen	stover	Negative	development of endothelial tissue	4.79E-06	100
	Corn				
Rumen	stover	Negative	migration of blood cells	5.03E-06	215
	Corn				
Rumen	stover	Negative	endothelial cell development	5.03E-06	97
	Corn				
Rumen	stover	Negative	morphology of connective tissue	5.16E-06	122
	Corn				
Rumen	stover	Negative	abnormal morphology of head	5.16E-06	206
	Corn				
Rumen	stover	Negative	epilepsy	5.19E-06	86
	Corn				
Rumen	stover	Negative	quantity of lymphoid organ	5.19E-06	86
	Corn				
Rumen	stover	Negative	homing	5.19E-06	148
	Corn				
Rumen	stover	Negative	morphogenesis of neurites	5.67E-06	112
	Corn				
Rumen	stover	Negative	formation of actin filaments	6.36E-06	85
	Corn				
Rumen	stover	Negative	differentiation of epidermal cells	6.40E-06	51
	Corn				
Rumen	stover	Negative	leukocyte migration	6.48E-06	214
	Corn				
Rumen	stover	Negative	development of lymphatic system component	6.48E-06	86
	Corn				
Rumen	stover	Negative	differentiation of skin	6.71E-06	55
	Corn				
Rumen	stover	Negative	outgrowth of plasma membrane projections	6.71E-06	109
	Corn				
Rumen	stover	Negative	growth of skin	6.93E-06	64
	Corn				
Rumen	stover	Negative	sprouting	7.18E-06	104
	Corn				
Rumen	stover	Negative	morphology of skin	7.22E-06	77
	Corn				
Rumen	stover	Negative	cell death of cardiomyocytes	7.22E-06	63
Rumen	Corn	Negative	outgrowth of neurons	7.22E-06	109

	stover Corn				
Rumen	stover Corn	Negative	outgrowth of cells	7.22E-06	115
Rumen	stover Corn	Negative	morphology of muscle cells	7.27E-06	51
Rumen	stover Corn	Negative	development of blood cells	7.35E-06	165
Rumen	stover Corn	Negative	growth of embryo	7.36E-06	125
Rumen	stover Corn	Negative	development of genitourinary system	7.59E-06	217
Rumen	stover Corn	Negative	outgrowth of neurites	7.75E-06	108
Rumen	stover Corn	Negative	abnormal morphology of genital organ	7.75E-06	109
Rumen	stover Corn	Negative	development of epithelial tissue	7.75E-06	134
Rumen	stover Corn	Negative	morphology of nervous system	7.81E-06	194
Rumen	stover Corn	Negative	concentration of lipid	7.84E-06	200
Rumen	stover Corn	Negative	dysgenesis	8.41E-06	139
Rumen	stover Corn	Negative	S phase	8.57E-06	74
Rumen	stover Corn	Negative	cell death of immune cells	9.31E-06	166
Rumen	stover Corn	Negative	development of leukocytes	9.31E-06	150
Rumen	stover Corn	Negative	morphology of digestive system	9.31E-06	146
Rumen	stover Corn	Negative	chemotaxis of cells	9.45E-06	136
Rumen	stover Corn	Negative	cell movement of fibroblasts	1.01E-05	55
Rumen	stover Corn	Negative	Growth Failure	1.03E-05	152
Rumen	stover Corn	Negative	differentiation of keratinocytes	1.05E-05	47
Rumen	stover Corn	Negative	quantity of thymus gland	1.07E-05	67
Rumen	stover Corn	Negative	cell spreading of kidney cell lines	1.09E-05	14
Rumen	stover Corn	Negative	T cell development	1.11E-05	130

	stover				
	Corn				
Rumen	stover	Negative	quantity of metal	1.12E-05	129
	Corn				
Rumen	stover	Negative	differentiation of connective tissue	1.20E-05	181
	Corn				
Rumen	stover	Negative	neuritogenesis	1.29E-05	148
	Corn				
Rumen	stover	Negative	migration of connective tissue cells	1.44E-05	54
	Corn				
Rumen	stover	Negative	quantity of thymocytes	1.50E-05	66
	Corn				
Rumen	stover	Negative	differentiation of muscle	1.51E-05	83
	Corn				
Rumen	stover	Negative	chemotaxis	1.55E-05	139
	Corn				
Rumen	stover	Negative	apoptosis of leukocyte cell lines	1.76E-05	53
	Corn				
Rumen	stover	Negative	synthesis of fatty acid	1.78E-05	85
	Corn				
Rumen	stover	Negative	proliferation of T lymphocytes	1.85E-05	152
	Corn				
Rumen	stover	Negative	T cell homeostasis	1.91E-05	132
	Corn				
Rumen	stover	Negative	hyperplasia of tissue	1.96E-05	57
	Corn				
Rumen	stover	Negative	cell movement of leukocytes	1.99E-05	188
	Corn				
Rumen	stover	Negative	apoptosis of carcinoma cell lines	2.02E-05	69
	Corn				
Rumen	stover	Negative	formation of plasma membrane projections	2.07E-05	150
	Corn				
Rumen	stover	Negative	potentiation of synapse	2.15E-05	46
	Corn				
Rumen	stover	Negative	formation of lymphatic system component	2.16E-05	80
	Corn				
Rumen	stover	Negative	abnormal morphology of digestive system	2.31E-05	138
	Corn				
Rumen	stover	Negative	necrosis of epithelial tissue	2.31E-05	148
	Corn				
Rumen	stover	Negative	Hypoplasia	2.31E-05	129
	Corn				
Rumen	stover	Negative	synthesis of lipid	2.32E-05	176
Rumen	Corn	Negative	cell movement of myeloid cells	2.32E-05	137

	stover				
	Corn				
Rumen	stover	Negative	uptake of D-glucose	2.32E-05	63
	Corn				
Rumen	stover	Negative	neoplasia of cells	2.32E-05	115
	Corn				
Rumen	stover	Negative	metastasis	2.32E-05	186
	Corn				
Rumen	stover	Negative	cell movement of phagocytes	2.37E-05	139
	Corn				
Rumen	stover	Negative	development of reproductive system	2.37E-05	181
	Corn				
Rumen	stover	Negative	Lymphocyte homeostasis	2.41E-05	138
	Corn				
Rumen	stover	Negative	quantity of connective tissue	2.41E-05	151
	Corn				
Rumen	stover	Negative	abnormal morphology of interalveolar septa	2.51E-05	18
	Corn				
Rumen	stover	Negative	proliferation of epithelial cells	2.54E-05	126
	Corn				
Rumen	stover	Negative	cell death of T lymphocytes	2.58E-05	85
	Corn				
Rumen	stover	Negative	homeostasis of leukocytes	2.66E-05	140
	Corn				
Rumen	stover	Negative	function of leukocytes	2.67E-05	136
	Corn				
Rumen	stover	Negative	cell death of carcinoma cell lines	2.72E-05	78
	Corn				
Rumen	stover	Negative	function of blood cells	2.82E-05	147
	Corn				
Rumen	stover	Negative	abnormal morphology of internal genitalia	2.82E-05	93
	Corn				
Rumen	stover	Negative	cell death of fibroblasts	2.88E-05	73
	Corn				
Rumen	stover	Negative	formation of lymphoid organ	2.88E-05	73
	Corn				
Rumen	stover	Negative	differentiation of muscle cells	2.93E-05	77
	Corn				
Rumen	stover	Negative	cell viability of carcinoma cell lines	2.95E-05	44
	Corn				
Rumen	stover	Negative	apoptosis of B-lymphocyte derived cell lines	2.96E-05	39
	Corn				
Rumen	stover	Negative	transport of carbohydrate	3.46E-05	56
Rumen	Corn	Negative	long-term potentiation of synapse	3.46E-05	45

	stover				
	Corn				
Rumen	stover	Negative	cell death of leukocyte cell lines	3.49E-05	58
	Corn				
Rumen	stover	Negative	development of body axis	3.49E-05	248
	Corn				
Rumen	stover	Negative	development of mononuclear leukocytes	3.49E-05	140
	Corn				
Rumen	stover	Negative	differentiation of connective tissue cells	3.55E-05	159
	Corn				
Rumen	stover	Negative	development of lymphocytes	3.55E-05	139
	Corn				
Rumen	stover	Negative	metabolism of protein	3.62E-05	231
	Corn				
Rumen	stover	Negative	proliferation of keratinocytes	3.95E-05	46
	Corn				
Rumen	stover	Negative	survival of organism	4.13E-05	172
	Corn				
Rumen	stover	Negative	formation of filopodia	4.17E-05	49
	Corn				
Rumen	stover	Negative	generation of lymphocytes	4.22E-05	43
	Corn				
Rumen	stover	Negative	proliferation of hematopoietic cells	4.60E-05	70
	Corn				
Rumen	stover	Negative	morphology of bone	4.73E-05	115
	Corn				
Rumen	stover	Negative	stress response of cells	5.17E-05	42
	Corn				
Rumen	stover	Negative	G1/S phase transition	5.26E-05	60
	Corn				
Rumen	stover	Negative	cell death of dermal cells	5.26E-05	32
	Corn				
Rumen	stover	Negative	hypersensitive reaction	5.47E-05	110
	Corn				
Rumen	stover	Negative	apoptosis of dermal cells	5.69E-05	30
	Corn				
Rumen	stover	Negative	epileptic seizure	5.69E-05	49
	Corn				
Rumen	stover	Negative	quantity of metal ion	5.70E-05	113
	Corn				
Rumen	stover	Negative	seizures	5.78E-05	103
	Corn				
Rumen	stover	Negative	Dermatitis	5.81E-05	111
Rumen	Corn	Negative	mitosis	5.91E-05	125

	stover				
	Corn				
Rumen	stover	Negative	apoptosis of skin	6.09E-05	31
	Corn				
Rumen	stover	Negative	transport of carboxylic acid	6.18E-05	37
	Corn				
Rumen	stover	Negative	degeneration of nervous system	6.18E-05	77
	Corn				
Rumen	stover	Negative	formation of actin stress fibers	6.18E-05	66
	Corn				
Rumen	stover	Negative	formation of osteoclasts	6.18E-05	38
	Corn				
Rumen	stover	Negative	morphology of gonad	6.37E-05	98
	Corn				
Rumen	stover	Negative	advanced malignant tumor	6.37E-05	202
	Corn				
Rumen	stover	Negative	branching of cells	6.39E-05	96
	Corn				
Rumen	stover	Negative	replication of RNA virus	6.49E-05	127
	Corn				
Rumen	stover	Negative	development of head	6.66E-05	231
	Corn				
Rumen	stover	Negative	synthesis of reactive oxygen species	6.72E-05	121
	Corn				
Rumen	stover	Negative	apoptosis of breast cancer cell lines	6.73E-05	77
	Corn				
Rumen	stover	Negative	development of neurons	6.76E-05	188
	Corn				
Rumen	stover	Negative	cell death of muscle cells	6.87E-05	88
	Corn				
Rumen	stover	Negative	colony formation of tumor cell lines	6.98E-05	74
	Corn				
Rumen	stover	Negative	formation of connective tissue cells	6.98E-05	59
	Corn				
Rumen	stover	Negative	concentration of fatty acid	7.12E-05	75
	Corn				
Rumen	stover	Negative	formation of vesicles	7.24E-05	37
	Corn				
Rumen	stover	Negative	shape change of kidney cell lines	7.34E-05	23
	Corn				
Rumen	stover	Negative	differentiation of blood cells	7.63E-05	201
	Corn				
Rumen	stover	Negative	quantity of epithelial tissue	7.64E-05	51
Rumen	Corn	Negative	generation of blood cells	7.66E-05	48

	stover				
	Corn				
Rumen	stover	Negative	cell death of melanoma cell lines	8.19E-05	68
	Corn				
Rumen	stover	Negative	cancer of cells	8.45E-05	69
	Corn				
Rumen	stover	Negative	apoptosis of blood cells	8.45E-05	124
	Corn				
Rumen	stover	Negative	cell death of hepatoma cell lines	8.46E-05	49
	Corn				
Rumen	stover	Negative	cell death of cerebral cortex cells	8.47E-05	63
	Corn				
Rumen	stover	Negative	cell death of pheochromocytoma cell lines	8.64E-05	37
	Corn				
Rumen	stover	Negative	cell death of breast cancer cell lines	8.97E-05	87
	Corn				
Rumen	stover	Negative	synthesis of prostaglandin	9.27E-05	50
	Corn				
Rumen	stover	Negative	congenital anomaly of musculoskeletal system	9.48E-05	177
	Corn				
Rumen	stover	Negative	branching of neurites	9.48E-05	74
	Corn				
Rumen	stover	Negative	proliferation of hematopoietic progenitor cells	9.49E-05	66
	Corn				
Rumen	stover	Negative	differentiation of leukocytes	9.56E-05	163
	Corn				
Rumen	stover	Negative	abnormal morphology of muscle	9.56E-05	83
	Corn				
Rumen	stover	Negative	cell death of epithelial cells	9.61E-05	124
	Corn				
Rumen	stover	Negative	inflammation of organ	9.61E-05	271
	Corn				
Rumen	stover	Negative	abnormal morphology of gonad	9.62E-05	94
	Corn				
Rumen	stover	Negative	branching of neurons	9.64E-05	76
	Corn				
Rumen	stover	Negative	cell death of skin	9.64E-05	33
	Corn				
Rumen	stover	Negative	activation of Protein kinase	9.95E-05	68
	Corn				
Rumen	stover	Negative	cell death of epidermal cells	1.04E-04	30
	Corn				
Rumen	stover	Negative	abnormal morphology of skin	1.05E-04	66
Rumen	Corn	Negative	development of connective tissue cells	1.09E-04	61

	stover				
	Corn				
Rumen	stover	Negative	apoptosis of connective tissue cells	1.10E-04	78
	Corn				
Rumen	stover	Negative	tumorigenesis of malignant tumor	1.10E-04	72
	Corn				
Rumen	stover	Negative	formation of leukocytes	1.10E-04	46
	Corn				
Rumen	stover	Negative	replication of virus	1.12E-04	138
	Corn				
Rumen	stover	Negative	apoptosis of hematopoietic cell lines	1.12E-04	57
	Corn				
Rumen	stover	Negative	organization of filaments	1.12E-04	57
	Corn				
Rumen	stover	Negative	abnormal morphology of bone	1.12E-04	110
	Corn				
Rumen	stover	Negative	abnormal morphology of nervous system	1.13E-04	174
	Corn				
Rumen	stover	Negative	cognition	1.13E-04	114
	Corn				
Rumen	stover	Negative	cell death of muscle	1.14E-04	89
	Corn				
Rumen	stover	Negative	activation of enzyme	1.18E-04	99
	Corn				
Rumen	stover	Negative	cell death of neuroblastoma cell lines	1.20E-04	54
	Corn				
Rumen	stover	Negative	cell movement of antigen presenting cells	1.24E-04	90
	Corn				
Rumen	stover	Negative	endocytosis	1.24E-04	89
	Corn				
Rumen	stover	Negative	metabolism of reactive oxygen species	1.25E-04	124
	Corn				
Rumen	stover	Negative	quantity of cellular protrusions	1.25E-04	46
	Corn				
Rumen	stover	Negative	migration of fibroblasts	1.26E-04	42
	Corn				
Rumen	stover	Negative	metabolism of prostaglandin	1.26E-04	51
	Corn				
Rumen	stover	Negative	G1 phase	1.27E-04	99
	Corn				
Rumen	stover	Negative	quantity of carbohydrate	1.30E-04	128
	Corn				
Rumen	stover	Negative	quantity of B lymphocytes	1.35E-04	89
Rumen	Corn	Negative	formation of mononuclear leukocytes	1.37E-04	39

	stover				
	Corn				
Rumen	stover	Negative	shape change of neurites	1.38E-04	75
	Corn				
Rumen	stover	Negative	cell movement of breast cancer cell lines	1.40E-04	76
	Corn				
Rumen	stover	Negative	apoptosis of neuroblastoma cell lines	1.40E-04	37
	Corn				
Rumen	stover	Negative	cell movement of epithelial cells	1.41E-04	43
	Corn				
Rumen	stover	Negative	behavior	1.49E-04	230
	Corn				
Rumen	stover	Negative	infection by Retroviridae	1.49E-04	172
	Corn				
Rumen	stover	Negative	aggregation of cells	1.63E-04	84
	Corn				
Rumen	stover	Negative	I-kappaB kinase/NF-kappaB cascade	1.63E-04	49
	Corn				
Rumen	stover	Negative	apoptosis of cervical cancer cell lines	1.67E-04	74
	Corn				
Rumen	stover	Negative	development of abdomen	1.72E-04	141
	Corn				
Rumen	stover	Negative	apoptosis of epidermal cells	1.72E-04	28
	Corn				
Rumen	stover	Negative	binding of DNA	1.72E-04	128
	Corn				
Rumen	stover	Negative	congenital malformation of skeleton	1.73E-04	106
	Corn				
Rumen	stover	Negative	transmigration of cells	1.74E-04	45
	Corn				
Rumen	stover	Negative	size of animal	1.74E-04	50
	Corn				
Rumen	stover	Negative	function of muscle	1.74E-04	89
	Corn				
Rumen	stover	Negative	differentiation of tumor cell lines	1.80E-04	96
	Corn				
Rumen	stover	Negative	generation of leukocytes	1.92E-04	46
	Corn				
Rumen	stover	Negative	Neurodegeneration	1.92E-04	80
	Corn				
Rumen	stover	Negative	cell death of hematopoietic cell lines	1.95E-04	62
	Corn				
Rumen	stover	Negative	hypoplasia of organ	1.99E-04	111
Rumen	Corn	Negative	accumulation of reactive oxygen species	1.99E-04	27

	stover				
	Corn				
Rumen	stover	Negative	congenital heart disease	2.02E-04	57
	Corn				
Rumen	stover	Negative	cell death of keratinocytes	2.13E-04	28
	Corn				
Rumen	stover	Negative	morphology of cardiovascular tissue	2.13E-04	28
	Corn				
Rumen	stover	Negative	transport of cation	2.17E-04	101
	Corn				
Rumen	stover	Negative	development of hematopoietic system	2.17E-04	66
	Corn				
Rumen	stover	Negative	generation of reactive oxygen species	2.17E-04	56
	Corn				
Rumen	stover	Negative	dendritic growth/branching	2.19E-04	59
	Corn				
Rumen	stover	Negative	maturation of cells	2.20E-04	113
	Corn				
Rumen	stover	Negative	secretory pathway	2.21E-04	54
	Corn				
Rumen	stover	Negative	apoptosis of pheochromocytoma cell lines	2.21E-04	29
	Corn				
Rumen	stover	Negative	autosomal dominant disease	2.22E-04	153
	Corn				
Rumen	stover	Negative	generation of cells	2.28E-04	69
	Corn				
Rumen	stover	Negative	quantity of Ca ²⁺	2.28E-04	102
	Corn				
Rumen	stover	Negative	transport of monosaccharide	2.28E-04	45
	Corn				
Rumen	stover	Negative	quantity of macrophages	2.30E-04	55
	Corn				
Rumen	stover	Negative	congenital anomaly of cardiovascular system	2.31E-04	61
	Corn				
Rumen	stover	Negative	apoptosis of leukocytes	2.34E-04	113
	Corn				
Rumen	stover	Negative	metastasis of cells	2.36E-04	66
	Corn				
Rumen	stover	Negative	morphology of epidermis	2.36E-04	41
	Corn				
Rumen	stover	Negative	synthesis of DNA	2.36E-04	104
	Corn				
Rumen	stover	Negative	migration of stomach cancer cell lines	2.41E-04	12
Rumen	Corn	Negative	relaxation of muscle	2.42E-04	27

	stover				
	Corn				
Rumen	stover	Negative	proliferation of endothelial cells	2.46E-04	80
	Corn				
Rumen	stover	Negative	apoptosis of epithelial cell lines	2.48E-04	60
	Corn				
Rumen	stover	Negative	function of smooth muscle	2.69E-04	29
	Corn				
Rumen	stover	Negative	morphology of cardiomyocytes	2.69E-04	29
	Corn				
Rumen	stover	Negative	formation of lymphocytes	2.69E-04	37
	Corn				
Rumen	stover	Negative	cardiogenesis	2.70E-04	116
	Corn				
Rumen	stover	Negative	cell death of hematopoietic cells	2.71E-04	63
	Corn				
Rumen	stover	Negative	transport of inorganic cation	2.85E-04	89
	Corn				
Rumen	stover	Negative	development of digestive system	2.87E-04	96
	Corn				
Rumen	stover	Negative	inflammatory response	2.87E-04	183
	Corn				
Rumen	stover	Negative	apoptosis of hepatoma cell lines	2.88E-04	43
	Corn				
Rumen	stover	Negative	abnormal morphology of endothelial tissue	2.97E-04	22
	Corn				
Rumen	stover	Negative	morphology of stratum corneum	3.04E-04	16
	Corn				
Rumen	stover	Negative	cell death of epithelial cell lines	3.18E-04	73
	Corn				
Rumen	stover	Negative	cell movement of stomach cancer cell lines	3.26E-04	13
	Corn				
Rumen	stover	Negative	replication of Hepatitis C virus	3.29E-04	25
	Corn				
Rumen	stover	Negative	midline defect	3.38E-04	69
	Corn				
Rumen	stover	Negative	biosynthesis of purine ribonucleotide	3.41E-04	31
	Corn				
Rumen	stover	Negative	necrosis of tumor	3.41E-04	95
	Corn				
Rumen	stover	Negative	cell death of tumor cells	3.50E-04	93
	Corn				
Rumen	stover	Negative	arrest in interphase	3.50E-04	103
Rumen	Corn	Negative	apoptosis of keratinocytes	3.52E-04	26

	stover				
	Corn				
Rumen	stover	Negative	HIV infection	3.62E-04	168
	Corn				
Rumen	stover	Negative	cell death of lymphocytes	3.62E-04	96
	Corn				
Rumen	stover	Negative	differentiation of lymphocytes	3.62E-04	121
	Corn				
Rumen	stover	Negative	apoptosis of fibroblasts	3.63E-04	58
	Corn				
Rumen	stover	Negative	abnormal morphology of embryonic tissue	3.77E-04	132
	Corn				
Rumen	stover	Negative	metabolism of carbohydrate	3.86E-04	148
	Corn				
Rumen	stover	Negative	mass of genitourinary system	3.86E-04	76
	Corn				
Rumen	stover	Negative	morphology of lung	3.87E-04	51
	Corn				
Rumen	stover	Negative	arrest in proliferation of cells	3.93E-04	57
	Corn				
Rumen	stover	Negative	generation of T lymphocytes	3.98E-04	34
	Corn				
Rumen	stover	Negative	cell death of thymocytes	4.02E-04	42
	Corn				
Rumen	stover	Negative	learning	4.02E-04	103
	Corn				
Rumen	stover	Negative	respiratory system development	4.02E-04	86
	Corn				
Rumen	stover	Negative	morphology of heart ventricle	4.02E-04	52
	Corn				
Rumen	stover	Negative	chronic myeloid leukemia	4.02E-04	32
	Corn				
Rumen	stover	Negative	import of cation	4.02E-04	12
	Corn				
Rumen	stover	Negative	apoptosis of T lymphocytes	4.12E-04	72
	Corn				
Rumen	stover	Negative	allergy	4.23E-04	100
	Corn				
Rumen	stover	Negative	oxidative stress response of cells	4.26E-04	21
	Corn				
Rumen	stover	Negative	chemotaxis of antigen presenting cells	4.33E-04	43
	Corn				
Rumen	stover	Negative	proliferation of vascular smooth muscle cells	4.33E-04	43
Rumen	Corn	Negative	shape change of tumor cell lines	4.33E-04	43

	stover				
	Corn				
Rumen	stover	Negative	autosomal recessive disease	4.57E-04	212
	Corn				
Rumen	stover	Negative	cell death of mononuclear leukocytes	4.73E-04	98
	Corn				
Rumen	stover	Negative	formation of blood cells	4.74E-04	53
	Corn				
Rumen	stover	Negative	cell movement of granulocytes	4.79E-04	92
	Corn				
Rumen	stover	Negative	tyrosine phosphorylation of protein	4.89E-04	51
	Corn				
Rumen	stover	Negative	cell movement of muscle cells	5.01E-04	49
	Corn				
Rumen	stover	Negative	scattering of cells	5.06E-04	25
	Corn				
Rumen	stover	Negative	secretion of molecule	5.10E-04	132
	Corn				
Rumen	stover	Negative	infection by RNA virus	5.27E-04	200
	Corn				
Rumen	stover	Negative	morphology of endothelial tissue	5.35E-04	26
	Corn				
Rumen	stover	Negative	morphology of lymphatic system component	5.50E-04	102
	Corn				
Rumen	stover	Negative	morphology of myocardium	5.53E-04	34
	Corn				
Rumen	stover	Negative	ruffling	5.77E-04	32
	Corn				
Rumen	stover	Negative	cell death of central nervous system cells	6.06E-04	74
	Corn				
Rumen	stover	Negative	chemotaxis of myeloid cells	6.06E-04	74
	Corn				
Rumen	stover	Negative	benign neoplasia	6.08E-04	212
	Corn				
Rumen	stover	Negative	cell movement of prostate cancer cell lines	6.12E-04	36
	Corn				
Rumen	stover	Negative	Thrombosis	6.19E-04	46
	Corn				
Rumen	stover	Negative	synthesis of prostaglandin E2	6.24E-04	39
	Corn				
Rumen	stover	Negative	differentiation of smooth muscle	6.27E-04	22
	Corn				
Rumen	stover	Negative	atrophy of muscle	6.48E-04	41
Rumen	Corn	Negative	cell death of cervical cancer cell lines	6.52E-04	87

	stover				
	Corn				
Rumen	stover	Negative	morphology of mouth	6.53E-04	38
	Corn				
Rumen	stover	Negative	migration of muscle cells	6.60E-04	45
	Corn				
Rumen	stover	Negative	differentiation of mononuclear leukocytes	6.69E-04	129
	Corn				
Rumen	stover	Negative	dephosphorylation of protein	6.69E-04	50
	Corn				
Rumen	stover	Negative	hypertrophy of heart	6.71E-04	84
	Corn				
Rumen	stover	Negative	transport of D-glucose	6.79E-04	40
	Corn				
Rumen	stover	Negative	reorganization of cytoskeleton	6.98E-04	51
	Corn				
Rumen	stover	Negative	progression of tumor	7.01E-04	44
	Corn				
Rumen	stover	Negative	transformation of fibroblast cell lines	7.01E-04	66
	Corn				
Rumen	stover	Negative	development of gastrointestinal tract	7.05E-04	67
	Corn				
Rumen	stover	Negative	expansion of cells	7.09E-04	76
	Corn				
Rumen	stover	Negative	metabolism of nucleoside triphosphate	7.12E-04	39
	Corn				
Rumen	stover	Negative	Hypertrophy	7.23E-04	114
	Corn				
Rumen	stover	Negative	hepatobiliary system cancer	7.36E-04	904
	Corn				
Rumen	stover	Negative	differentiation of T lymphocytes	7.43E-04	93
	Corn				
Rumen	stover	Negative	size of embryo	7.43E-04	88
	Corn				
Rumen	stover	Negative	angiogenesis of eye	7.43E-04	18
	Corn				
Rumen	stover	Negative	senescence of cells	7.43E-04	63
	Corn				
Rumen	stover	Negative	liver cancer	7.47E-04	900
	Corn				
Rumen	stover	Negative	morphology of pulmonary alveolus	7.52E-04	34
	Corn				
Rumen	stover	Negative	cell death of hematopoietic progenitor cells	7.72E-04	59
Rumen	Corn	Negative	urination disorder	7.72E-04	73

	stover				
	Corn				
Rumen	stover	Negative	formation of vascular lesion	7.72E-04	33
	Corn				
Rumen	stover	Negative	synthesis of nitric oxide	7.72E-04	70
	Corn				
Rumen	stover	Negative	infection of cells	7.81E-04	184
	Corn				
Rumen	stover	Negative	concentration of acylglycerol	7.83E-04	83
	Corn				
Rumen	stover	Negative	quantity of hematopoietic cells	7.90E-04	107
	Corn				
Rumen	stover	Negative	catabolism of protein	8.03E-04	142
	Corn				
Rumen	stover	Negative	activation of cells	8.09E-04	222
	Corn				
Rumen	stover	Negative	migration of breast cancer cell lines	8.11E-04	63
	Corn				
Rumen	stover	Negative	mammary tumor	8.14E-04	359
	Corn				
Rumen	stover	Negative	engulfment of cells	8.14E-04	99
	Corn				
Rumen	stover	Negative	homeostasis of inorganic cation	8.24E-04	50
	Corn				
Rumen	stover	Negative	Organ Degeneration	8.27E-04	118
	Corn				
Rumen	stover	Negative	chemotaxis of phagocytes	8.27E-04	74
	Corn				
Rumen	stover	Negative	export of molecule	8.27E-04	74
	Corn				
Rumen	stover	Negative	liver tumor	8.27E-04	905
	Corn				
Rumen	stover	Negative	G2 phase	8.27E-04	68
	Corn				
Rumen	stover	Negative	repair of DNA	8.27E-04	73
	Corn				
Rumen	stover	Negative	cell death of brain cells	8.28E-04	69
	Corn				
Rumen	stover	Negative	peripheral vascular disease	8.38E-04	93
	Corn				
Rumen	stover	Negative	tumorigenesis of epithelial neoplasm	8.40E-04	48
	Corn				
Rumen	stover	Negative	necrosis of liver	8.61E-04	61
Rumen	Corn	Negative	progressive motor neuropathy	8.95E-04	124

	stover				
	Corn				
Rumen	stover	Negative	cell death of brain	9.04E-04	73
	Corn				
Rumen	stover	Negative	biosynthesis of polyunsaturated fatty acids	9.12E-04	58
	Corn				
Rumen	stover	Negative	polyubiquitination	9.18E-04	25
	Corn				
Rumen	stover	Negative	biosynthesis of nucleoside triphosphate	9.39E-04	31
	Corn				
Rumen	stover	Negative	morphology of fibroblast cell lines	9.46E-04	26
	Corn				
Rumen	stover	Negative	peripheral arterial disease	9.50E-04	55
	Corn				
Rumen	stover	Negative	apoptosis of kidney cell lines	9.50E-04	61
	Corn				
Rumen	stover	Negative	quantity of neurons	9.50E-04	101
	Corn				
Rumen	stover	Negative	infection by HIV-1	9.55E-04	143
	Corn				
Rumen	stover	Negative	formation of lung	9.70E-04	75
	Corn				
Rumen	stover	Negative	hepatocellular carcinoma	9.73E-04	871
	Corn				
Rumen	stover	Negative	synthesis of eicosanoid	9.86E-04	57
	Corn				
Rumen	stover	Negative	breast or colorectal cancer	9.97E-04	1026
	Corn				
Rumen	stover	Negative	development of exocrine gland	1.00E-03	58
	Corn				
Rumen	stover	Negative	exocytosis	1.02E-03	50
	Corn				
Rumen	stover	Negative	formation of T lymphocytes	1.04E-03	33
	Corn				
Rumen	stover	Negative	quantity of hematopoietic progenitor cells	1.04E-03	106
	Corn				
Rumen	stover	Negative	colony formation of lung cancer cell lines	1.04E-03	17
	Corn				
Rumen	stover	Negative	abnormal morphology of artery	1.06E-03	41
	Corn				
Rumen	stover	Negative	cell movement of neutrophils	1.06E-03	74
	Corn				
Rumen	stover	Negative	apoptosis of melanoma cell lines	1.06E-03	36
Rumen	Corn	Negative	transport of metal	1.06E-03	82

	stover				
	Alfalfa				
Duodenum	hay	Positive	proliferation of cells	5.46E-12	586
	Alfalfa				
Duodenum	hay	Positive	necrosis	1.69E-11	429
	Alfalfa				
Duodenum	hay	Positive	organization of cytoplasm	2.10E-11	279
	Alfalfa				
Duodenum	hay	Positive	cell death	2.75E-10	526
	Alfalfa				
Duodenum	hay	Positive	organismal death	5.65E-10	395
	Alfalfa				
Duodenum	hay	Positive	morbidity or mortality	1.51E-09	397
	Alfalfa				
Duodenum	hay	Positive	organization of cytoskeleton	2.22E-09	249
	Alfalfa				
Duodenum	hay	Positive	apoptosis	3.76E-09	424
	Alfalfa				
Duodenum	hay	Positive	transport of molecule	1.14E-08	277
	Alfalfa				
Duodenum	hay	Positive	morphology of cells	2.02E-08	323
	Alfalfa				
Duodenum	hay	Positive	cancer	3.21E-08	1463
	Alfalfa				
Duodenum	hay	Positive	microtubule dynamics	3.21E-08	212
	Alfalfa				
Duodenum	hay	Positive	malignant solid tumor	6.27E-08	1445
	Alfalfa				
Duodenum	hay	Positive	cell death of tumor cell lines	1.21E-07	259
	Alfalfa				
Duodenum	hay	Positive	dyskinesia	1.34E-07	122
	Alfalfa				
Duodenum	hay	Positive	cellular homeostasis	2.08E-07	257
	Alfalfa				
Duodenum	hay	Positive	cell movement	3.20E-07	341
	Alfalfa				
Duodenum	hay	Positive	neurological signs	3.20E-07	126
	Alfalfa				
Duodenum	hay	Positive	Huntington's Disease	4.87E-07	113
	Alfalfa				
Duodenum	hay	Positive	apoptosis of tumor cell lines	4.87E-07	210
	Alfalfa				
Duodenum	hay	Positive	transcription of DNA	6.52E-07	256
Duodenum	Alfalfa	Positive	expression of RNA	7.53E-07	341

	hay				
	Alfalfa				
Duodenum	hay	Positive	transcription of RNA	1.07E-06	300
	Alfalfa				
Duodenum	hay	Positive	disorder of basal ganglia	1.75E-06	141
	Alfalfa				
Duodenum	hay	Positive	Movement Disorders	2.78E-06	184
	Alfalfa				
Duodenum	hay	Positive	epileptic seizure	6.09E-06	41
	Alfalfa				
Duodenum	hay	Positive	formation of cellular protrusions	6.79E-06	159
	Alfalfa				
Duodenum	hay	Positive	transcription	6.79E-06	314
	Alfalfa				
Duodenum	hay	Positive	differentiation of cells	9.42E-06	348
	Alfalfa				
Duodenum	hay	Positive	proliferation of tumor cell lines	9.42E-06	251
	Alfalfa				
Duodenum	hay	Positive	epithelial cancer	1.64E-05	1189
	Alfalfa				
Duodenum	hay	Positive	proliferation of neuronal cells	1.90E-05	107
	Alfalfa				
Duodenum	hay	Positive	size of body	1.90E-05	149
	Alfalfa				
Duodenum	hay	Positive	transactivation	2.27E-05	107
	Alfalfa				
Duodenum	hay	Positive	seizures	3.26E-05	78
	Alfalfa				
Duodenum	hay	Positive	homing of cells	3.57E-05	103
	Alfalfa				
Duodenum	hay	Positive	neoplasia of epithelial tissue	3.84E-05	1196
	Alfalfa				
Duodenum	hay	Positive	migration of cells	3.87E-05	296
	Alfalfa				
Duodenum	hay	Positive	chemotaxis of cells	3.87E-05	98
	Alfalfa				
Duodenum	hay	Positive	proliferation of connective tissue cells	4.33E-05	108
	Alfalfa				
Duodenum	hay	Positive	transactivation of RNA	5.16E-05	100
	Alfalfa				
Duodenum	hay	Positive	apoptosis of cervical cancer cell lines	5.16E-05	58
	Alfalfa				
Duodenum	hay	Positive	neuromuscular disease	6.19E-05	151
Duodenum	Alfalfa	Positive	invasion of cells	6.19E-05	149

	hay				
	Alfalfa				
Duodenum	hay	Positive	activation of DNA endogenous promoter	6.74E-05	198
	Alfalfa				
Duodenum	hay	Positive	angiogenesis	7.47E-05	154
	Alfalfa				
Duodenum	hay	Positive	tumorigenesis of tissue	8.12E-05	1211
	Alfalfa				
Duodenum	hay	Positive	development of body trunk	8.32E-05	184
	Alfalfa				
Duodenum	hay	Positive	neuritogenesis	8.68E-05	105
	Alfalfa				
Duodenum	hay	Positive	development of neurons	9.27E-05	135
	Alfalfa				
Duodenum	hay	Positive	growth of connective tissue	1.03E-04	114
	Alfalfa				
Duodenum	hay	Positive	seizure disorder	1.06E-04	87
	Alfalfa				
Duodenum	hay	Positive	cell death of cervical cancer cell lines	1.11E-04	68
	Alfalfa				
Duodenum	hay	Positive	formation of cytoskeleton	1.14E-04	72
	Alfalfa				
Duodenum	hay	Positive	formation of plasma membrane projections	1.44E-04	106
	Alfalfa				
Duodenum	hay	Positive	development of cytoplasm	1.64E-04	85
	Alfalfa				
Duodenum	hay	Positive	degeneration of nervous system	1.77E-04	57
	Alfalfa				
Duodenum	hay	Positive	quantity of cells	2.02E-04	272
	Alfalfa				
Duodenum	hay	Positive	degeneration of cells	2.02E-04	66
	Alfalfa				
Duodenum	hay	Positive	neuronal cell death	2.14E-04	118
	Alfalfa				
Duodenum	hay	Positive	cell survival	2.15E-04	220
	Alfalfa				
Duodenum	hay	Positive	cell death of connective tissue cells	2.23E-04	106
	Alfalfa				
Duodenum	hay	Positive	apoptosis of connective tissue cells	2.27E-04	58
	Alfalfa				
Duodenum	hay	Positive	cell spreading of fibroblast cell lines	2.31E-04	17
	Alfalfa				
Duodenum	hay	Positive	Growth Failure	2.61E-04	105
Duodenum	Alfalfa	Positive	growth of neurites	2.65E-04	84

	hay				
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of thoracic cavity	2.81E-04	103
	Alfalfa				
Duodenum	hay	Positive	transport of carbohydrate	2.88E-04	41
	Alfalfa				
Duodenum	hay	Positive	cell movement of tumor cell lines	3.37E-04	142
	Alfalfa				
Duodenum	hay	Positive	branching of cells	3.56E-04	69
	Alfalfa				
Duodenum	hay	Positive	shape change of fibroblast cell lines	3.89E-04	23
	Alfalfa				
Duodenum	hay	Positive	epilepsy	3.95E-04	59
	Alfalfa				
Duodenum	hay	Positive	metabolism of reactive oxygen species	3.97E-04	89
	Alfalfa				
Duodenum	hay	Positive	Organ Degeneration	3.97E-04	88
	Alfalfa				
Duodenum	hay	Positive	congenital malformation of skeleton	4.16E-04	77
	Alfalfa				
Duodenum	hay	Positive	frequency of head and neck tumor	5.03E-04	6
	Alfalfa				
Duodenum	hay	Positive	morphogenesis of neurons	5.03E-04	77
	Alfalfa				
Duodenum	hay	Positive	vasculogenesis	5.27E-04	124
	Alfalfa				
Duodenum	hay	Positive	synthesis of reactive oxygen species	6.53E-04	85
	Alfalfa				
Duodenum	hay	Positive	morphology of connective tissue	6.61E-04	82
	Alfalfa				
Duodenum	hay	Positive	organization of organelle	6.61E-04	94
	Alfalfa				
Duodenum	hay	Positive	morphology of cardiovascular system	6.86E-04	106
	Alfalfa				
Duodenum	hay	Positive	quantity of blood cells	7.73E-04	165
	Alfalfa				
Duodenum	hay	Positive	degeneration of neurons	7.73E-04	47
	Alfalfa				
Duodenum	hay	Positive	cell viability	7.82E-04	203
	Alfalfa				
Duodenum	hay	Positive	morphogenesis of neurites	8.51E-04	75
	Alfalfa				
Duodenum	hay	Positive	colony formation	8.51E-04	93
Duodenum	Alfalfa	Positive	size of animal	8.65E-04	37

	hay				
	Alfalfa				
Duodenum	hay	Positive	colony formation of cells	9.55E-04	86
	Alfalfa				
Duodenum	hay	Positive	craniofacial abnormality	9.75E-04	65
	Alfalfa				
Duodenum	hay	Positive	outgrowth of cells	9.75E-04	77
	Alfalfa				
Duodenum	hay	Positive	cellular degradation	9.75E-04	49
	Alfalfa				
Duodenum	hay	Positive	adhesion of carcinoma cell lines	9.75E-04	13
	Alfalfa				
Duodenum	hay	Positive	Edema	1.08E-03	63
	Alfalfa				
Duodenum	hay	Positive	quantity of leukocytes	1.11E-03	148
	Alfalfa				
Duodenum	hay	Positive	outgrowth of neurites	1.26E-03	72
	Alfalfa				
Duodenum	hay	Positive	formation of filaments	1.26E-03	71
	Alfalfa		abnormal morphology of vascular endothelial		
Duodenum	hay	Positive	cells	1.29E-03	13
	Alfalfa				
Duodenum	hay	Positive	shape change of kidney cell lines	1.29E-03	17
	Alfalfa				
Duodenum	hay	Positive	fibrogenesis	1.30E-03	73
	Alfalfa				
Duodenum	hay	Positive	cell spreading	1.34E-03	52
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of epithelial tissue	1.34E-03	74
	Alfalfa				
Duodenum	hay	Positive	development of vasculature	1.34E-03	74
	Alfalfa				
Duodenum	hay	Positive	sprouting	1.36E-03	69
	Alfalfa				
Duodenum	hay	Positive	transformation of fibroblast cell lines	1.36E-03	49
	Alfalfa				
Duodenum	hay	Positive	digestive system cancer	1.36E-03	1008
	Alfalfa				
Duodenum	hay	Positive	Neurodegeneration	1.37E-03	57
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of cells	1.39E-03	196
	Alfalfa				
Duodenum	hay	Positive	synthesis of lipid	1.43E-03	118
Duodenum	Alfalfa	Positive	transport of monosaccharide	1.46E-03	33

	hay				
	Alfalfa				
Duodenum	hay	Positive	perinatal death	1.64E-03	100
	Alfalfa				
Duodenum	hay	Positive	function of cardiovascular system	1.68E-03	66
	Alfalfa				
Duodenum	hay	Positive	abnormal quantity of lipid	1.69E-03	31
	Alfalfa				
Duodenum	hay	Positive	cell death of cerebral cortex cells	1.83E-03	44
	Alfalfa				
Duodenum	hay	Positive	digestive organ tumor	1.95E-03	1015
	Alfalfa				
Duodenum	hay	Positive	apoptosis of epithelial cell lines	2.05E-03	43
	Alfalfa				
Duodenum	hay	Positive	production of reactive oxygen species	2.14E-03	65
	Alfalfa				
Duodenum	hay	Positive	growth of lesion	2.18E-03	129
	Alfalfa				
Duodenum	hay	Positive	cell death of embryonic stem cells	2.22E-03	14
	Alfalfa				
Duodenum	hay	Positive	oxidation of palmitic acid	2.22E-03	14
	Alfalfa				
Duodenum	hay	Positive	formation of cells	2.53E-03	155
	Alfalfa				
Duodenum	hay	Positive	cell transformation	2.59E-03	79
	Alfalfa				
Duodenum	hay	Positive	morphology of endothelial cells	2.79E-03	16
	Alfalfa				
Duodenum	hay	Positive	oral cancer	2.82E-03	43
	Alfalfa				
Duodenum	hay	Positive	cell death of brain	2.84E-03	53
	Alfalfa				
Duodenum	hay	Positive	cell movement of phagocytes	2.85E-03	92
	Alfalfa				
Duodenum	hay	Positive	growth of tumor	2.89E-03	128
	Alfalfa				
Duodenum	hay	Positive	cell movement of macrophages	2.96E-03	49
	Alfalfa				
Duodenum	hay	Positive	quantity of TNF in blood	3.00E-03	19
	Alfalfa				
Duodenum	hay	Positive	cell death of brain cells	3.00E-03	50
	Alfalfa				
Duodenum	hay	Positive	transport of water	3.09E-03	9
Duodenum	Alfalfa	Positive	adjuvant arthritis	3.26E-03	11

	hay				
	Alfalfa				
Duodenum	hay	Positive	fatty acid oxidation disorder	3.35E-03	10
	Alfalfa				
Duodenum	hay	Positive	inflammatory response	3.40E-03	125
	Alfalfa				
Duodenum	hay	Positive	cell movement of leukocytes	3.81E-03	123
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of cardiovascular system	3.81E-03	94
	Alfalfa				
Duodenum	hay	Positive	necrosis of epithelial tissue	3.96E-03	97
	Alfalfa				
Duodenum	hay	Positive	cell death of epithelial cell lines	3.96E-03	51
	Alfalfa				
Duodenum	hay	Positive	congenital anomaly of digestive system	3.96E-03	43
	Alfalfa				
Duodenum	hay	Positive	quantity of thymocytes	3.96E-03	43
	Alfalfa				
Duodenum	hay	Positive	cycling of centrosome	4.10E-03	20
	Alfalfa				
Duodenum	hay	Positive	morphology of cardiovascular tissue	4.10E-03	20
	Alfalfa				
Duodenum	hay	Positive	morphology of vascular endothelial cells	4.12E-03	14
	Alfalfa				
Duodenum	hay	Positive	branching of neurites	4.43E-03	50
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of endothelial tissue	4.62E-03	16
	Alfalfa				
Duodenum	hay	Positive	cell death of epithelial cells	4.71E-03	83
	Alfalfa				
Duodenum	hay	Positive	shape change of neurites	4.77E-03	51
	Alfalfa				
Duodenum	hay	Positive	abdominal neoplasm	4.78E-03	1163
	Alfalfa				
Duodenum	hay	Positive	transport of D-glucose	4.78E-03	29
	Alfalfa				
Duodenum	hay	Positive	midline defect	4.79E-03	48
	Alfalfa				
Duodenum	hay	Positive	formation of actin filaments	4.80E-03	54
	Alfalfa				
Duodenum	hay	Positive	formation of thymus gland	4.85E-03	32
	Alfalfa				
Duodenum	hay	Positive	autosomal recessive disease	5.10E-03	144
Duodenum	Alfalfa	Positive	concentration of fatty acid	5.25E-03	50

	hay				
	Alfalfa				
Duodenum	hay	Positive	osmotic water permeability of cells	5.34E-03	4
	Alfalfa				
Duodenum	hay	Positive	cell movement of myeloid cells	5.34E-03	89
	Alfalfa				
Duodenum	hay	Positive	inborn error of lipid metabolism	5.34E-03	11
	Alfalfa				
Duodenum	hay	Positive	oral squamous cell carcinoma	5.69E-03	34
	Alfalfa				
Duodenum	hay	Positive	development of head	5.82E-03	152
	Alfalfa				
Duodenum	hay	Positive	migration of tumor cell lines	5.86E-03	113
	Alfalfa				
Duodenum	hay	Positive	cell death of hippocampal cells	5.89E-03	21
	Alfalfa				
Duodenum	hay	Positive	cell spreading of kidney cell lines	5.95E-03	9
	Alfalfa				
Duodenum	hay	Positive	cell death of immune cells	6.36E-03	106
	Alfalfa				
Duodenum	hay	Positive	morphology of body cavity	6.39E-03	181
	Alfalfa				
Duodenum	hay	Positive	differentiation of connective tissue	6.54E-03	116
	Alfalfa				
Duodenum	hay	Positive	multiple congenital anomalies	6.69E-03	71
	Alfalfa				
Duodenum	hay	Positive	oxidation of fatty acid	6.75E-03	33
	Alfalfa				
Duodenum	hay	Positive	Viral Infection	7.33E-03	237
	Alfalfa				
Duodenum	hay	Positive	proliferation of fibroblast cell lines	7.40E-03	71
	Alfalfa				
Duodenum	hay	Positive	cell movement of carcinoma cell lines	7.67E-03	38
	Alfalfa				
Duodenum	hay	Positive	cell death of hippocampal neurons	7.93E-03	19
	Alfalfa				
Duodenum	hay	Positive	abdominal cancer	7.93E-03	1147
	Alfalfa				
Duodenum	hay	Positive	neutrophilia	8.04E-03	15
	Alfalfa				
Duodenum	hay	Positive	attachment of cells	8.10E-03	27
	Alfalfa				
Duodenum	hay	Positive	consumption of oxygen	8.21E-03	30
Duodenum	Alfalfa	Positive	morphology of nervous system	8.21E-03	123

	hay				
	Alfalfa				
Duodenum	hay	Positive	quantity of connective tissue	8.32E-03	97
	Alfalfa				
Duodenum	hay	Positive	axonogenesis	8.32E-03	41
	Alfalfa				
Duodenum	hay	Positive	invasion of tumor cell lines	8.35E-03	106
	Alfalfa				
Duodenum	hay	Positive	oxidation of long chain fatty acid	8.42E-03	16
	Alfalfa				
Duodenum	hay	Positive	formation of actin stress fibers	8.69E-03	43
	Alfalfa				
Duodenum	hay	Positive	familial dementia	8.94E-03	12
	Alfalfa				
Duodenum	hay	Positive	cell death of breast cancer cell lines	9.24E-03	57
	Alfalfa				
Duodenum	hay	Positive	leukocyte migration	9.41E-03	135
	Alfalfa				
Duodenum	hay	Positive	mass of organism	9.77E-03	57
	Alfalfa				
Duodenum	hay	Positive	transport of carboxylic acid	1.00E-02	24
	Alfalfa				
Duodenum	hay	Positive	oral cavity carcinoma	1.00E-02	36
	Alfalfa				
Duodenum	hay	Positive	mass of adipose tissue	1.03E-02	35
	Alfalfa				
Duodenum	hay	Positive	fatty acid metabolism	1.08E-02	96
	Alfalfa				
Duodenum	hay	Positive	concentration of lipid	1.08E-02	126
	Alfalfa				
Duodenum	hay	Positive	familial Alzheimer's disease	1.08E-02	9
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of head	1.09E-02	129
	Alfalfa				
Duodenum	hay	Positive	differentiation of connective tissue cells	1.09E-02	102
	Alfalfa				
Duodenum	hay	Positive	migration of carcinoma cell lines	1.10E-02	32
	Alfalfa				
Duodenum	hay	Positive	morphology of head	1.12E-02	135
	Alfalfa				
Duodenum	hay	Positive	hydrolysis of GTP	1.12E-02	16
	Alfalfa				
Duodenum	hay	Positive	small GTPase mediated signal transduction	1.12E-02	34
Duodenum	Alfalfa	Positive	proliferation of embryonic cell lines	1.12E-02	30

	hay				
	Alfalfa				
Duodenum	hay	Positive	size of embryo	1.13E-02	60
	Alfalfa				
Duodenum	hay	Positive	Bleeding	1.14E-02	70
	Alfalfa				
Duodenum	hay	Positive	autosomal dominant disease	1.14E-02	101
	Alfalfa				
Duodenum	hay	Positive	quantity of mononuclear leukocytes	1.14E-02	115
	Alfalfa				
Duodenum	hay	Positive	quantity of lymphocytes	1.14E-02	111
	Alfalfa				
Duodenum	hay	Positive	cell death of blood cells	1.14E-02	109
	Alfalfa				
Duodenum	hay	Positive	paralysis	1.18E-02	31
	Alfalfa				
Duodenum	hay	Positive	cellular infiltration by macrophages	1.20E-02	30
	Alfalfa				
Duodenum	hay	Positive	homo-oligomerization of protein	1.22E-02	26
	Alfalfa				
Duodenum	hay	Positive	neonatal death	1.23E-02	72
	Alfalfa				
Duodenum	hay	Positive	morphology of heart	1.24E-02	67
	Alfalfa				
Duodenum	hay	Positive	morphology of respiratory system	1.24E-02	53
	Alfalfa				
Duodenum	hay	Positive	cell death of fibroblasts	1.24E-02	46
	Alfalfa				
Duodenum	hay	Positive	accumulation of reactive oxygen species	1.24E-02	18
	Alfalfa				
Duodenum	hay	Positive	morphology of endothelial tissue	1.24E-02	18
	Alfalfa				
Duodenum	hay	Positive	metabolism of protein	1.24E-02	148
	Alfalfa				
Duodenum	hay	Positive	barrier function of skin	1.25E-02	11
	Alfalfa				
Duodenum	hay	Positive	morphology of stratum corneum	1.25E-02	11
	Alfalfa				
Duodenum	hay	Positive	ruffling	1.31E-02	22
	Alfalfa				
Duodenum	hay	Positive	quantity of lipid peroxide	1.31E-02	7
	Alfalfa				
Duodenum	hay	Positive	cell death of fibroblast cell lines	1.31E-02	70
Duodenum	Alfalfa	Positive	behavior	1.31E-02	150

	hay				
	Alfalfa				
Duodenum	hay	Positive	proliferation of fibroblasts	1.33E-02	59
	Alfalfa				
Duodenum	hay	Positive	formation of skin	1.36E-02	61
	Alfalfa				
Duodenum	hay	Positive	secretion of molecule	1.36E-02	88
	Alfalfa				
Duodenum	hay	Positive	thermogenesis	1.38E-02	15
	Alfalfa				
Duodenum	hay	Positive	development of abdomen	1.40E-02	92
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of respiratory system	1.43E-02	52
	Alfalfa				
Duodenum	hay	Positive	autophagy	1.47E-02	62
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of stratum corneum	1.48E-02	10
	Alfalfa				
Duodenum	hay	Positive	arrest in proliferation of cells	1.50E-02	38
	Alfalfa				
Duodenum	hay	Positive	quantity of lymphoid organ	1.51E-02	52
	Alfalfa				
Duodenum	hay	Positive	mass of connective tissue	1.52E-02	36
	Alfalfa				
Duodenum	hay	Positive	fusion of cellular membrane	1.52E-02	14
	Alfalfa				
Duodenum	hay	Positive	apoptosis of melanoma cell lines	1.52E-02	25
	Alfalfa				
Duodenum	hay	Positive	development of body axis	1.56E-02	158
	Alfalfa				
Duodenum	hay	Positive	cell viability of tumor cell lines	1.56E-02	120
	Alfalfa				
Duodenum	hay	Positive	cell movement of antigen presenting cells	1.61E-02	58
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of body cavity	1.61E-02	170
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of mandibular angle	1.61E-02	4
	Alfalfa				
Duodenum	hay	Positive	frequency of brain tumor	1.61E-02	4
	Alfalfa				
Duodenum	hay	Positive	targeting of protein	1.65E-02	25
	Alfalfa				
Duodenum	hay	Positive	proliferation of epidermal cells	1.65E-02	31
Duodenum	Alfalfa	Positive	development of genitourinary system	1.68E-02	135

	hay				
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of nervous system	1.77E-02	112
	Alfalfa				
Duodenum	hay	Positive	cell death of hepatoma cell lines	1.80E-02	31
	Alfalfa				
Duodenum	hay	Positive	beta-oxidation of fatty acid	1.80E-02	17
	Alfalfa				
Duodenum	hay	Positive	cell movement of fibroblasts	1.81E-02	33
	Alfalfa				
Duodenum	hay	Positive	morphology of gonad	1.81E-02	62
	Alfalfa				
Duodenum	hay	Positive	internalization of lipid	1.83E-02	8
	Alfalfa				
Duodenum	hay	Positive	exocytosis	1.86E-02	34
	Alfalfa				
Duodenum	hay	Positive	secretory pathway	1.92E-02	35
	Alfalfa				
Duodenum	hay	Positive	transport of glutamine family amino acid	1.94E-02	13
	Alfalfa				
Duodenum	hay	Positive	ubiquitination of protein	1.94E-02	55
	Alfalfa				
Duodenum	hay	Positive	phosphorylation of protein	2.06E-02	113
	Alfalfa				
Duodenum	hay	Positive	angiosarcoma	2.08E-02	16
	Alfalfa				
Duodenum	hay	Positive	apoptosis of hepatoma cell lines	2.08E-02	28
	Alfalfa				
Duodenum	hay	Positive	cell cycle progression	2.17E-02	156
	Alfalfa				
Duodenum	hay	Positive	formation of lymphocytes	2.17E-02	24
	Alfalfa				
Duodenum	hay	Positive	morphology of bone	2.21E-02	72
	Alfalfa				
Duodenum	hay	Positive	activation of JUN kinase	2.22E-02	11
	Alfalfa				
Duodenum	hay	Positive	activation of enzyme	2.22E-02	63
	Alfalfa				
Duodenum	hay	Positive	survival of vascular endothelial cells	2.24E-02	10
	Alfalfa				
Duodenum	hay	Positive	congenital malformation of face	2.24E-02	28
	Alfalfa				
Duodenum	hay	Positive	septic shock	2.24E-02	28
Duodenum	Alfalfa	Positive	morphology of vessel	2.25E-02	51

	hay				
	Alfalfa				
Duodenum	hay	Positive	apoptosis of cerebral cortex cells	2.26E-02	21
	Alfalfa				
Duodenum	hay	Positive	cyclopia	2.26E-02	6
	Alfalfa				
Duodenum	hay	Positive	morphology of vasculature	2.27E-02	30
	Alfalfa				
Duodenum	hay	Positive	cell death of smooth muscle cells	2.29E-02	22
	Alfalfa				
Duodenum	hay	Positive	apoptosis of fibroblast cell lines	2.38E-02	54
	Alfalfa				
Duodenum	hay	Positive	oxidation of lipid	2.39E-02	37
	Alfalfa				
Duodenum	hay	Positive	proliferation of keratinocytes	2.39E-02	28
	Alfalfa				
Duodenum	hay	Positive	morphology of genital organ	2.39E-02	68
	Alfalfa				
Duodenum	hay	Positive	frequency of malignant tumor	2.41E-02	5
	Alfalfa				
Duodenum	hay	Positive	apoptosis of breast cancer cell lines	2.41E-02	48
	Alfalfa				
Duodenum	hay	Positive	development of digestive system	2.42E-02	62
	Alfalfa				
Duodenum	hay	Positive	S phase	2.46E-02	44
	Alfalfa				
Duodenum	hay	Positive	frequency of tumor	2.47E-02	7
	Alfalfa				
Duodenum	hay	Positive	cell movement of lung cancer cell lines	2.50E-02	22
	Alfalfa				
Duodenum	hay	Positive	quantity of lymphatic system component	2.59E-02	61
	Alfalfa				
Duodenum	hay	Positive	S phase of fibroblast cell lines	2.59E-02	13
	Alfalfa				
Duodenum	hay	Positive	arrest in proliferation of fibroblast cell lines	2.59E-02	11
	Alfalfa				
Duodenum	hay	Positive	high bone mass disease	2.60E-02	16
	Alfalfa				
Duodenum	hay	Positive	shape change of epithelial cell lines	2.62E-02	9
	Alfalfa				
Duodenum	hay	Positive	polyarticular juvenile rheumatoid arthritis	2.69E-02	18
	Alfalfa				
Duodenum	hay	Positive	cell death of muscle	2.73E-02	56
Duodenum	Alfalfa	Positive	apoptosis of embryonic cell lines	2.77E-02	32

	hay				
	Alfalfa				
Duodenum	hay	Positive	proliferation of cervical cancer cell lines	2.77E-02	35
	Alfalfa				
Duodenum	hay	Positive	congenital anomaly of musculoskeletal system	2.78E-02	112
	Alfalfa				
Duodenum	hay	Positive	cell movement of connective tissue cells	2.88E-02	38
	Alfalfa				
Duodenum	hay	Positive	cell movement of neutrophils	2.91E-02	49
	Alfalfa				
Duodenum	hay	Positive	bleeding of tissue	3.01E-02	13
	Alfalfa				
Duodenum	hay	Positive	formation of T lymphocytes	3.01E-02	22
	Alfalfa				
Duodenum	hay	Positive	aggregation of cells	3.02E-02	53
	Alfalfa				
Duodenum	hay	Positive	transport of L-amino acid	3.04E-02	14
	Alfalfa				
Duodenum	hay	Positive	entry into S phase of fibroblast cell lines	3.04E-02	8
	Alfalfa				
Duodenum	hay	Positive	apoptosis of neurons	3.05E-02	69
	Alfalfa				
Duodenum	hay	Positive	cell death of melanoma cell lines	3.05E-02	42
	Alfalfa				
Duodenum	hay	Positive	metabolism of membrane lipid derivative	3.10E-02	62
	Alfalfa				
Duodenum	hay	Positive	sensitivity of cells	3.11E-02	26
	Alfalfa				
Duodenum	hay	Positive	cell death of stem cells	3.14E-02	17
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of bone	3.15E-02	69
	Alfalfa				
Duodenum	hay	Positive	cell movement of endothelial cells	3.17E-02	57
	Alfalfa				
Duodenum	hay	Positive	autophagy of cells	3.17E-02	44
	Alfalfa				
Duodenum	hay	Positive	quantity of type II pneumocytes	3.20E-02	6
	Alfalfa				
Duodenum	hay	Positive	frequency of thymic lymphoma	3.20E-02	3
	Alfalfa				
Duodenum	hay	Positive	structural integrity of intercellular junctions	3.20E-02	3
	Alfalfa				
Duodenum	hay	Positive	juvenile rheumatoid arthritis	3.20E-02	23
Duodenum	Alfalfa	Positive	cellular infiltration of phagocytes	3.20E-02	31

	hay				
	Alfalfa				
Duodenum	hay	Positive	quantity of reactive oxygen species	3.20E-02	31
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of second branchial arch	3.20E-02	7
	Alfalfa				
Duodenum	hay	Positive	adhesion of sarcoma cell lines	3.20E-02	7
	Alfalfa				
Duodenum	hay	Positive	formation of cerebral ventricles	3.20E-02	7
	Alfalfa				
Duodenum	hay	Positive	fusion of vertebrae	3.20E-02	12
	Alfalfa				
Duodenum	hay	Positive	congenital anomaly of mouth	3.20E-02	29
	Alfalfa				
Duodenum	hay	Positive	neurodegeneration of neurites	3.20E-02	18
	Alfalfa				
Duodenum	hay	Positive	morphology of skin	3.21E-02	45
	Alfalfa				
Duodenum	hay	Positive	morphology of reproductive system	3.22E-02	83
	Alfalfa				
Duodenum	hay	Positive	apoptosis of fibroblasts	3.25E-02	37
	Alfalfa				
Duodenum	hay	Positive	transport of alpha-amino acid	3.25E-02	15
	Alfalfa				
Duodenum	hay	Positive	apoptosis of kidney cell lines	3.25E-02	40
	Alfalfa				
Duodenum	hay	Positive	fragmentation of DNA fragment	3.25E-02	13
	Alfalfa				
Duodenum	hay	Positive	cell death of dermal cells	3.25E-02	19
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of cervix	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	advanced angiosarcoma	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	elongation of fibroblast cell lines	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	extrahepatic bile duct cancer	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	import of L-glutamic acid	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	metastatic triple negative breast adenocarcinoma	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	resectable gallbladder cancer	3.25E-02	4
Duodenum	Alfalfa	Positive	stage 4 HER2 negative hormone receptor	3.25E-02	4

	hay		negative breast cancer		
	Alfalfa				
Duodenum	hay	Positive	stage 4 triple negative breast adenocarcinoma	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	unresectable pancreatic cancer	3.25E-02	4
	Alfalfa				
Duodenum	hay	Positive	cell death of skin	3.26E-02	20
	Alfalfa				
Duodenum	hay	Positive	mammary tumor	3.26E-02	234
	Alfalfa				
Duodenum	hay	Positive	differentiation of epidermal cells	3.29E-02	29
	Alfalfa				
Duodenum	hay	Positive	dendritic growth/branching	3.33E-02	37
	Alfalfa				
Duodenum	hay	Positive	growth of organism	3.35E-02	125
	Alfalfa				
Duodenum	hay	Positive	differentiation of blood cells	3.41E-02	126
	Alfalfa				
Duodenum	hay	Positive	intermediate disease stage peripheral arterial disease	3.41E-02	28
	Alfalfa				
Duodenum	hay	Positive	cell death of muscle cells	3.41E-02	54
	Alfalfa				
Duodenum	hay	Positive	breast or colorectal cancer	3.42E-02	670
	Alfalfa				
Duodenum	hay	Positive	generation of reactive oxygen species	3.47E-02	35
	Alfalfa				
Duodenum	hay	Positive	necrosis of muscle	3.49E-02	55
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of skull	3.49E-02	37
	Alfalfa				
Duodenum	hay	Positive	oligomerization of protein	3.49E-02	40
	Alfalfa				
Duodenum	hay	Positive	grasping	3.49E-02	15
	Alfalfa				
Duodenum	hay	Positive	abnormal quantity of fatty acid	3.49E-02	8
	Alfalfa				
Duodenum	hay	Positive	hydrolysis of nucleotide	3.49E-02	23
	Alfalfa				
Duodenum	hay	Positive	metabolism of carnitine	3.49E-02	5
	Alfalfa				
Duodenum	hay	Positive	secretion of alpha granules	3.49E-02	5
	Alfalfa				
Duodenum	hay	Positive	formation of thymocytes	3.49E-02	20
Duodenum	Alfalfa	Positive	internalization by tumor cell lines	3.50E-02	22

	hay				
	Alfalfa				
Duodenum	hay	Positive	interphase of fibroblast cell lines	3.50E-02	22
	Alfalfa				
Duodenum	hay	Positive	Shock Response	3.54E-02	30
	Alfalfa				
Duodenum	hay	Positive	formation of leukocytes	3.57E-02	28
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of gonad	3.64E-02	58
	Alfalfa				
Duodenum	hay	Positive	catabolism of protein	3.69E-02	92
	Alfalfa				
Duodenum	hay	Positive	internalization of cells	3.69E-02	29
	Alfalfa				
Duodenum	hay	Positive	apoptosis of muscle	3.77E-02	43
	Alfalfa				
Duodenum	hay	Positive	homing of blood cells	3.77E-02	60
	Alfalfa				
Duodenum	hay	Positive	morphology of blood vessel	3.83E-02	46
	Alfalfa				
Duodenum	hay	Positive	leukocytosis	3.83E-02	21
	Alfalfa				
Duodenum	hay	Positive	cell viability of cervical cancer cell lines	3.86E-02	37
	Alfalfa				
Duodenum	hay	Positive	protein kinase cascade	3.91E-02	66
	Alfalfa				
Duodenum	hay	Positive	adhesion of lung cancer cell lines	3.93E-02	7
	Alfalfa				
Duodenum	hay	Positive	dephosphorylation of protein	3.93E-02	32
	Alfalfa				
Duodenum	hay	Positive	mitosis of tumor cell lines	4.01E-02	24
	Alfalfa				
Duodenum	hay	Positive	differentiation of smooth muscle	4.01E-02	14
	Alfalfa				
Duodenum	hay	Positive	dilation of heart ventricle	4.01E-02	12
	Alfalfa				
Duodenum	hay	Positive	differentiation of epithelial tissue	4.03E-02	57
	Alfalfa				
Duodenum	hay	Positive	mass of genitourinary system	4.05E-02	48
	Alfalfa				
Duodenum	hay	Positive	quantity of D-sphingosine	4.05E-02	6
	Alfalfa				
Duodenum	hay	Positive	tubulogenesis of endothelial cells	4.05E-02	6
Duodenum	Alfalfa	Positive	abnormal morphology of vasculature	4.06E-02	28

	hay				
	Alfalfa				
Duodenum	hay	Positive	migration of connective tissue cells	4.07E-02	31
	Alfalfa				
Duodenum	hay	Positive	polarization of tumor cell lines	4.12E-02	10
	Alfalfa				
Duodenum	hay	Positive	interphase	4.27E-02	99
	Alfalfa				
Duodenum	hay	Positive	transport of amino acids	4.30E-02	24
	Alfalfa				
Duodenum	hay	Positive	morphology of second branchial arch	4.30E-02	8
	Alfalfa				
Duodenum	hay	Positive	transport of L-glutamic acid	4.30E-02	8
	Alfalfa				
Duodenum	hay	Positive	oxidative stress	4.32E-02	15
	Alfalfa				
Duodenum	hay	Positive	metabolism of carbohydrate	4.33E-02	94
	Alfalfa				
Duodenum	hay	Positive	movement of vascular endothelial cells	4.33E-02	31
	Alfalfa				
Duodenum	hay	Positive	cell movement of epithelial cells	4.34E-02	26
	Alfalfa				
Duodenum	hay	Positive	accumulation of lipid	4.41E-02	48
	Alfalfa				
Duodenum	hay	Positive	apoptosis of retinal cells	4.43E-02	11
	Alfalfa				
Duodenum	hay	Positive	chemotaxis of leukocytes	4.43E-02	56
	Alfalfa				
Duodenum	hay	Positive	development of antigen presenting cells	4.45E-02	14
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of pulmonary alveolus	4.45E-02	21
	Alfalfa				
Duodenum	hay	Positive	chemotaxis of myeloid cells	4.45E-02	47
	Alfalfa				
Duodenum	hay	Positive	formation of focal adhesions	4.46E-02	27
	Alfalfa				
Duodenum	hay	Positive	benign neoplasia	4.47E-02	136
	Alfalfa				
Duodenum	hay	Positive	differentiation of leukocytes	4.47E-02	101
	Alfalfa				
Duodenum	hay	Positive	death of perinatal stage organism	4.47E-02	16
	Alfalfa				
Duodenum	hay	Positive	formation of microtubules	4.47E-02	16
Duodenum	Alfalfa	Positive	oxidative stress response of cells	4.47E-02	13

	hay				
	Alfalfa				
Duodenum	hay	Positive	quantity of subcutaneous fat	4.47E-02	13
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of dorsal aorta	4.47E-02	12
	Alfalfa				
Duodenum	hay	Positive	learning	4.51E-02	65
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of heart	4.63E-02	60
	Alfalfa				
Duodenum	hay	Positive	development of epithelial tissue	4.64E-02	79
	Alfalfa				
Duodenum	hay	Positive	hypoplasia of organ	4.65E-02	69
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of blood vessel	4.66E-02	43
	Alfalfa				
Duodenum	hay	Positive	homing of leukocytes	4.73E-02	59
	Alfalfa				
Duodenum	hay	Positive	abnormal quantity of leukocytes	4.73E-02	18
	Alfalfa				
Duodenum	hay	Positive	transport of acidic amino acid	4.73E-02	10
	Alfalfa				
Duodenum	hay	Positive	migration of endothelial cells	4.73E-02	52
	Alfalfa				
Duodenum	hay	Positive	mitosis	4.73E-02	76
	Alfalfa				
Duodenum	hay	Positive	cell viability of fibroblast cell lines	4.73E-02	21
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of abdomen	4.74E-02	129
	Alfalfa				
Duodenum	hay	Positive	apoptosis of smooth muscle cells	4.76E-02	20
	Alfalfa				
Duodenum	hay	Positive	cognition	4.79E-02	70
	Alfalfa				
Duodenum	hay	Positive	morphology of cerebral neocortex	4.81E-02	7
	Alfalfa				
Duodenum	hay	Positive	proliferation of embryonic stem cell lines	4.81E-02	7
	Alfalfa				
Duodenum	hay	Positive	transport of monocarboxylic acid	4.81E-02	7
	Alfalfa				
Duodenum	hay	Positive	metabolism of DNA	4.82E-02	62
	Alfalfa				
Duodenum	hay	Positive	recruitment of cells	4.82E-02	56
Duodenum	Alfalfa	Positive	growth of skin	4.82E-02	36

	hay				
	Alfalfa				
Duodenum	hay	Positive	cell viability of cerebral cortex cells	4.82E-02	14
	Alfalfa				
Duodenum	hay	Positive	organization of actin cytoskeleton	4.83E-02	48
	Alfalfa				
Duodenum	hay	Positive	morphology of astrocytes	4.87E-02	11
	Alfalfa				
Duodenum	hay	Positive	remodeling of embryonic tissue	4.87E-02	11
	Alfalfa				
Duodenum	hay	Positive	cell spreading of dermal cells	4.87E-02	5
	Alfalfa				
Duodenum	hay	Positive	import of lipid	4.87E-02	5
	Alfalfa				
Duodenum	hay	Positive	locally advanced adenocarcinoma	4.87E-02	5
	Alfalfa				
Duodenum	hay	Positive	quantity of carnitine	4.87E-02	5
	Alfalfa				
Duodenum	hay	Positive	synthesis of GABA	4.87E-02	5
	Alfalfa				
Duodenum	hay	Positive	vascularization of hindlimb	4.87E-02	5
	Alfalfa				
Duodenum	hay	Positive	apoptosis of brain cells	4.87E-02	25
	Alfalfa				
Duodenum	hay	Positive	migration of fibroblasts	4.87E-02	25
	Alfalfa				
Duodenum	hay	Positive	contraction of muscle cells	4.91E-02	12
	Alfalfa				
Duodenum	hay	Positive	development of face	4.91E-02	12
	Alfalfa				
Duodenum	hay	Positive	morphology of right ventricle	4.91E-02	12
	Alfalfa				
Duodenum	hay	Positive	quantity of lung cells	4.95E-02	8
	Alfalfa				
Duodenum	hay	Positive	synthesis of heme	4.95E-02	8
	Alfalfa				
Duodenum	hay	Positive	apoptosis of muscle cells	4.97E-02	42
	Alfalfa				
Duodenum	hay	Positive	gluconeogenesis	4.98E-02	18
	Alfalfa				
Duodenum	hay	Positive	formation of embryonic tissue	5.04E-02	47
	Alfalfa				
Duodenum	hay	Positive	Zellweger syndrome	5.10E-02	6
Duodenum	Alfalfa	Positive	cell spreading of epithelial cells	5.10E-02	6

	hay				
	Alfalfa				
Duodenum	hay	Positive	differentiation of muscle	5.17E-02	48
	Alfalfa				
Duodenum	hay	Positive	aggregation of blood platelets	5.20E-02	32
	Alfalfa				
Duodenum	hay	Positive	morphogenesis of axons	5.20E-02	16
	Alfalfa				
Duodenum	hay	Positive	adhesion of fibrosarcoma cell lines	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	advanced stage biliary tract cancer	5.20E-02	4
	Alfalfa		antineutrophil cytoplasmic antibody-associated		
Duodenum	hay	Positive	vasculitis	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	generation of plasma membrane projections	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	locally advanced pancreatic adenocarcinoma	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	morphology of thyroid tumor cell lines	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	pyknosis	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	synthesis of pyrimidine ribonucleotide	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	unresectable pancreatic adenocarcinoma	5.20E-02	4
	Alfalfa				
Duodenum	hay	Positive	cell death of kidney cancer cell lines	5.25E-02	10
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of artery	5.27E-02	26
	Alfalfa				
Duodenum	hay	Positive	differentiation of keratinocytes	5.27E-02	26
	Alfalfa				
Duodenum	hay	Positive	mental retardation	5.36E-02	38
	Alfalfa				
Duodenum	hay	Positive	synthesis of terpenoid	5.37E-02	45
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of genital organ	5.39E-02	63
	Alfalfa				
Duodenum	hay	Positive	spinocerebellar disease	5.44E-02	23
	Alfalfa				
Duodenum	hay	Positive	formation of centrosome	5.45E-02	12
	Alfalfa				
Duodenum	hay	Positive	involution	5.45E-02	12
Duodenum	Alfalfa	Positive	neurodegeneration of cerebral cortex	5.45E-02	12

	hay				
	Alfalfa				
Duodenum	hay	Positive	tubulogenesis	5.45E-02	12
	Alfalfa				
Duodenum	hay	Positive	uptake of monosaccharide	5.53E-02	43
	Alfalfa				
Duodenum	hay	Positive	homing of tumor cell lines	5.63E-02	26
	Alfalfa				
Duodenum	hay	Positive	contraction of cardiomyocytes	5.66E-02	9
	Alfalfa				
Duodenum	hay	Positive	epithelial-mesenchymal transition	5.77E-02	34
	Alfalfa				
Duodenum	hay	Positive	quantity of alveolar epithelium	5.79E-02	7
	Alfalfa				
Duodenum	hay	Positive	quantity of pneumocytes	5.79E-02	7
	Alfalfa				
Duodenum	hay	Positive	degeneration of central nervous system	5.86E-02	23
	Alfalfa				
Duodenum	hay	Positive	endotoxemia	5.86E-02	18
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of first branchial arch	5.88E-02	8
	Alfalfa				
Duodenum	hay	Positive	permeability of cellular membrane	5.88E-02	8
	Alfalfa				
Duodenum	hay	Positive	thrombosis of artery	5.88E-02	8
	Alfalfa				
Duodenum	hay	Positive	development of central nervous system	5.88E-02	95
	Alfalfa				
Duodenum	hay	Positive	osteopetrosis	6.03E-02	13
	Alfalfa				
Duodenum	hay	Positive	transmembrane potential of mitochondria	6.03E-02	35
	Alfalfa				
Duodenum	hay	Positive	function of muscle	6.15E-02	54
	Alfalfa				
Duodenum	hay	Positive	migration of vascular endothelial cells	6.27E-02	28
	Alfalfa				
Duodenum	hay	Positive	organization of fibrils	6.27E-02	11
	Alfalfa		epithelial-mesenchymal transition of tumor cell		
Duodenum	hay	Positive	lines	6.29E-02	20
	Alfalfa				
Duodenum	hay	Positive	dysgenesis	6.33E-02	81
	Alfalfa				
Duodenum	hay	Positive	morphology of testis	6.34E-02	43
Duodenum	Alfalfa	Positive	shape change of axons	6.34E-02	17

	hay				
	Alfalfa				
Duodenum	hay	Positive	differentiation of skin	6.34E-02	30
	Alfalfa				
Duodenum	hay	Positive	apoptosis of vascular endothelial cells	6.34E-02	18
	Alfalfa				
Duodenum	hay	Positive	mitosis of cervical cancer cell lines	6.34E-02	18
	Alfalfa				
Duodenum	hay	Positive	differentiation of epithelial cells	6.34E-02	49
	Alfalfa				
Duodenum	hay	Positive	development of urinary tract	6.34E-02	45
	Alfalfa				
Duodenum	hay	Positive	morphology of lung	6.34E-02	31
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of skin	6.37E-02	39
	Alfalfa				
Duodenum	hay	Positive	abnormal morphology of branchial arch	6.37E-02	14
	Alfalfa				
Duodenum	hay	Positive	uptake of amino acids	6.37E-02	14
	Alfalfa				
Duodenum	hay	Positive	Cytosis	6.44E-02	50
	Alfalfa				
Duodenum	hay	Positive	respiratory system development	6.46E-02	53
	Alfalfa				
Duodenum	hay	Positive	advanced soft tissue sarcoma	6.46E-02	6
	Alfalfa				
Duodenum	hay	Positive	metabolism of ceramide	6.46E-02	6
	Alfalfa				
Duodenum	hay	Positive	relapsed chronic lymphocytic leukemia	6.46E-02	6
	Alfalfa				
Duodenum	hay	Positive	Hypoplasia	6.46E-02	76
	Alfalfa				
Duodenum	hay	Positive	polymerization of protein	6.48E-02	57
	Alfalfa				
Duodenum	hay	Negative	proliferation of cells	1.89E-60	1791
	Alfalfa				
Duodenum	hay	Negative	cancer	2.67E-48	4440
	Alfalfa				
Duodenum	hay	Negative	cell death	1.08E-47	1594
	Alfalfa				
Duodenum	hay	Negative	organismal death	3.83E-47	1202
	Alfalfa				
Duodenum	hay	Negative	malignant solid tumor	7.56E-47	4386
Duodenum	Alfalfa	Negative	morbidity or mortality	7.56E-47	1214

	hay				
	Alfalfa				
Duodenum	hay	Negative	apoptosis	3.06E-38	1269
	Alfalfa				
Duodenum	hay	Negative	morphology of cells	8.33E-37	972
	Alfalfa				
Duodenum	hay	Negative	necrosis	1.60E-36	1232
	Alfalfa				
Duodenum	hay	Negative	cell movement	3.82E-35	1042
	Alfalfa				
Duodenum	hay	Negative	organization of cytoplasm	2.03E-33	782
	Alfalfa				
Duodenum	hay	Negative	organization of cytoskeleton	6.84E-28	702
	Alfalfa				
Duodenum	hay	Negative	transport of molecule	1.66E-27	793
	Alfalfa				
Duodenum	hay	Negative	tumorigenesis of tissue	1.24E-26	3671
	Alfalfa				
Duodenum	hay	Negative	differentiation of cells	2.19E-26	1054
	Alfalfa				
Duodenum	hay	Negative	neoplasia of epithelial tissue	5.09E-26	3612
	Alfalfa				
Duodenum	hay	Negative	migration of cells	2.74E-25	905
	Alfalfa				
Duodenum	hay	Negative	epithelial cancer	5.56E-25	3574
	Alfalfa				
Duodenum	hay	Negative	abdominal neoplasm	7.90E-24	3573
	Alfalfa				
Duodenum	hay	Negative	quantity of cells	8.17E-24	842
	Alfalfa				
Duodenum	hay	Negative	expression of RNA	3.44E-23	995
	Alfalfa				
Duodenum	hay	Negative	abdominal cancer	1.55E-22	3526
	Alfalfa				
Duodenum	hay	Negative	microtubule dynamics	5.96E-22	587
	Alfalfa				
Duodenum	hay	Negative	transcription	7.18E-22	926
	Alfalfa				
Duodenum	hay	Negative	cellular homeostasis	1.07E-21	729
	Alfalfa				
Duodenum	hay	Negative	angiogenesis	9.39E-21	462
	Alfalfa				
Duodenum	hay	Negative	cell movement of tumor cell lines	2.35E-20	436
Duodenum	Alfalfa	Negative	Movement Disorders	3.84E-20	526

	hay				
	Alfalfa				
Duodenum	hay	Negative	concentration of lipid	3.97E-20	417
	Alfalfa				
Duodenum	hay	Negative	Viral Infection	4.69E-20	759
	Alfalfa				
Duodenum	hay	Negative	cell survival	5.21E-20	667
	Alfalfa				
Duodenum	hay	Negative	transcription of RNA	7.33E-20	859
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of cells	9.24E-20	612
	Alfalfa				
Duodenum	hay	Negative	development of body trunk	1.53E-19	548
	Alfalfa				
Duodenum	hay	Negative	organization of organelle	3.36E-19	290
	Alfalfa				
Duodenum	hay	Negative	cell viability	6.28E-19	623
	Alfalfa				
Duodenum	hay	Negative	cell death of tumor cell lines	6.98E-19	717
	Alfalfa				
Duodenum	hay	Negative	digestive system cancer	8.66E-19	3054
	Alfalfa				
Duodenum	hay	Negative	vasculogenesis	1.37E-18	378
	Alfalfa				
Duodenum	hay	Negative	digestive organ tumor	1.44E-18	3079
	Alfalfa				
Duodenum	hay	Negative	size of body	1.29E-17	425
	Alfalfa				
Duodenum	hay	Negative	growth of organism	1.75E-17	418
	Alfalfa				
Duodenum	hay	Negative	invasion of cells	2.64E-17	432
	Alfalfa				
Duodenum	hay	Negative	transcription of DNA	4.20E-17	712
	Alfalfa				
Duodenum	hay	Negative	quantity of blood cells	4.84E-17	499
	Alfalfa				
Duodenum	hay	Negative	formation of cellular protrusions	5.42E-17	445
	Alfalfa				
Duodenum	hay	Negative	quantity of leukocytes	8.29E-17	450
	Alfalfa				
Duodenum	hay	Negative	proliferation of tumor cell lines	2.58E-16	713
	Alfalfa				
Duodenum	hay	Negative	morphology of cardiovascular system	3.02E-16	317
Duodenum	Alfalfa	Negative	synthesis of lipid	7.01E-16	358

	hay				
	Alfalfa				
Duodenum	hay	Negative	morphology of body cavity	8.11E-16	564
	Alfalfa				
Duodenum	hay	Negative	apoptosis of tumor cell lines	1.15E-15	570
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of body cavity	2.03E-15	540
	Alfalfa				
Duodenum	hay	Negative	development of cytoplasm	2.97E-15	242
	Alfalfa				
Duodenum	hay	Negative	cell death of connective tissue cells	5.27E-15	305
	Alfalfa				
Duodenum	hay	Negative	migration of tumor cell lines	1.08E-14	350
	Alfalfa				
Duodenum	hay	Negative	perinatal death	1.14E-14	300
	Alfalfa				
Duodenum	hay	Negative	phosphorylation of protein	2.75E-14	361
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of thoracic cavity	3.05E-14	295
	Alfalfa				
Duodenum	hay	Negative	formation of cytoskeleton	3.79E-14	199
	Alfalfa				
Duodenum	hay	Negative	disorder of basal ganglia	4.08E-14	374
	Alfalfa				
Duodenum	hay	Negative	transactivation	6.49E-14	290
	Alfalfa				
Duodenum	hay	Negative	protein kinase cascade	7.05E-14	219
	Alfalfa				
Duodenum	hay	Negative	dyskinesia	1.37E-13	306
	Alfalfa				
Duodenum	hay	Negative	Huntington's Disease	1.55E-13	287
	Alfalfa				
Duodenum	hay	Negative	autosomal recessive disease	1.55E-13	438
	Alfalfa				
Duodenum	hay	Negative	fibrogenesis	1.96E-13	213
	Alfalfa				
Duodenum	hay	Negative	proliferation of connective tissue cells	3.12E-13	294
	Alfalfa				
Duodenum	hay	Negative	neurological signs	4.87E-13	319
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of cardiovascular system	4.88E-13	282
	Alfalfa				
Duodenum	hay	Negative	growth of embryo	6.73E-13	241
Duodenum	Alfalfa	Negative	formation of filaments	7.07E-13	205

	hay				
	Alfalfa				
Duodenum	hay	Negative	metabolism of carbohydrate	1.31E-12	304
	Alfalfa				
Duodenum	hay	Negative	invasion of tumor cell lines	2.90E-12	322
	Alfalfa				
Duodenum	hay	Negative	function of blood cells	3.89E-12	287
	Alfalfa				
Duodenum	hay	Negative	ubiquitination	3.93E-12	175
	Alfalfa				
Duodenum	hay	Negative	neuromuscular disease	3.96E-12	415
	Alfalfa				
Duodenum	hay	Negative	degeneration of nervous system	4.06E-12	152
	Alfalfa				
Duodenum	hay	Negative	function of leukocytes	4.17E-12	265
	Alfalfa				
Duodenum	hay	Negative	homing of cells	4.27E-12	274
	Alfalfa				
Duodenum	hay	Negative	morphology of heart	4.37E-12	206
	Alfalfa				
Duodenum	hay	Negative	quantity of lymphocytes	5.41E-12	339
	Alfalfa				
Duodenum	hay	Negative	ubiquitination of protein	6.18E-12	172
	Alfalfa				
Duodenum	hay	Negative	transactivation of RNA	6.57E-12	267
	Alfalfa				
Duodenum	hay	Negative	growth of connective tissue	7.25E-12	311
	Alfalfa				
Duodenum	hay	Negative	cell viability of tumor cell lines	7.81E-12	369
	Alfalfa				
Duodenum	hay	Negative	quantity of mononuclear leukocytes	9.31E-12	350
	Alfalfa				
Duodenum	hay	Negative	Neurodegeneration	9.64E-12	161
	Alfalfa				
Duodenum	hay	Negative	degeneration of cells	9.64E-12	177
	Alfalfa				
Duodenum	hay	Negative	quantity of connective tissue	1.15E-11	292
	Alfalfa				
Duodenum	hay	Negative	neuronal cell death	1.30E-11	326
	Alfalfa				
Duodenum	hay	Negative	behavior	1.30E-11	457
	Alfalfa				
Duodenum	hay	Negative	concentration of fatty acid	1.36E-11	147
Duodenum	Alfalfa	Negative	homing	1.36E-11	279

	hay				
	Alfalfa				
Duodenum	hay	Negative	replication of RNA virus	1.43E-11	249
	Alfalfa				
Duodenum	hay	Negative	growth of lesion	2.06E-11	375
	Alfalfa				
Duodenum	hay	Negative	benign neoplasia	2.26E-11	429
	Alfalfa				
Duodenum	hay	Negative	cell cycle progression	2.94E-11	479
	Alfalfa				
Duodenum	hay	Negative	differentiation of connective tissue	3.28E-11	345
	Alfalfa				
Duodenum	hay	Negative	growth of tumor	4.05E-11	373
	Alfalfa				
Duodenum	hay	Negative	replication of virus	5.49E-11	271
	Alfalfa				
Duodenum	hay	Negative	quantity of carbohydrate	5.75E-11	252
	Alfalfa				
Duodenum	hay	Negative	chemotaxis of cells	5.85E-11	256
	Alfalfa				
Duodenum	hay	Negative	differentiation of connective tissue cells	7.16E-11	306
	Alfalfa				
Duodenum	hay	Negative	learning	8.11E-11	207
	Alfalfa				
Duodenum	hay	Negative	cellular degradation	9.78E-11	133
	Alfalfa				
Duodenum	hay	Negative	activation of DNA endogenous promoter	1.07E-10	543
	Alfalfa				
Duodenum	hay	Negative	degeneration of neurons	1.07E-10	126
	Alfalfa				
Duodenum	hay	Negative	Growth Failure	1.07E-10	286
	Alfalfa				
Duodenum	hay	Negative	chemotaxis	1.57E-10	262
	Alfalfa				
Duodenum	hay	Negative	cognition	1.68E-10	222
	Alfalfa				
Duodenum	hay	Negative	development of vasculature	1.87E-10	206
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of head	1.95E-10	385
	Alfalfa				
Duodenum	hay	Negative	morphology of head	2.18E-10	403
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of heart	2.30E-10	190
Duodenum	Alfalfa	Negative	seizures	2.36E-10	197

	hay				
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of abdomen	2.44E-10	403
	Alfalfa				
Duodenum	hay	Negative	accumulation of lipid	2.47E-10	152
	Alfalfa				
Duodenum	hay	Negative	breast or colorectal cancer	2.54E-10	2031
	Alfalfa				
Duodenum	hay	Negative	necrosis of epithelial tissue	2.60E-10	280
	Alfalfa				
Duodenum	hay	Negative	seizure disorder	2.75E-10	228
	Alfalfa				
Duodenum	hay	Negative	proliferation of fibroblasts	2.98E-10	176
	Alfalfa				
Duodenum	hay	Negative	uptake of monosaccharide	3.94E-10	138
	Alfalfa				
Duodenum	hay	Negative	proliferation of blood cells	4.88E-10	387
	Alfalfa				
Duodenum	hay	Negative	quantity of T lymphocytes	6.73E-10	255
	Alfalfa				
Duodenum	hay	Negative	uptake of carbohydrate	6.77E-10	147
	Alfalfa				
Duodenum	hay	Negative	secretion of molecule	6.84E-10	262
	Alfalfa				
Duodenum	hay	Negative	migration of blood cells	7.22E-10	399
	Alfalfa				
Duodenum	hay	Negative	morphology of respiratory system	8.00E-10	156
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of respiratory system	8.11E-10	154
	Alfalfa				
Duodenum	hay	Negative	leukocyte migration	8.53E-10	398
	Alfalfa				
Duodenum	hay	Negative	neuritogenesis	9.94E-10	275
	Alfalfa				
Duodenum	hay	Negative	fatty acid metabolism	1.36E-09	282
	Alfalfa				
Duodenum	hay	Negative	activation of cells	1.44E-09	441
	Alfalfa				
Duodenum	hay	Negative	formation of plasma membrane projections	1.48E-09	280
	Alfalfa				
Duodenum	hay	Negative	endocytosis	1.56E-09	170
	Alfalfa				
Duodenum	hay	Negative	proliferation of neuronal cells	1.63E-09	271
Duodenum	Alfalfa	Negative	Organ Degeneration	1.78E-09	235

	hay				
	Alfalfa				
Duodenum	hay	Negative	differentiation of leukocytes	1.86E-09	312
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of digestive system	1.88E-09	257
	Alfalfa				
Duodenum	hay	Negative	morphology of nervous system	2.01E-09	359
	Alfalfa				
Duodenum	hay	Negative	development of leukocytes	2.02E-09	276
	Alfalfa				
Duodenum	hay	Negative	concentration of phospholipid	2.15E-09	97
	Alfalfa				
Duodenum	hay	Negative	proliferation of fibroblast cell lines	2.32E-09	204
	Alfalfa				
Duodenum	hay	Negative	development of neurons	2.37E-09	358
	Alfalfa				
Duodenum	hay	Negative	development of blood cells	2.44E-09	303
	Alfalfa				
Duodenum	hay	Negative	synthesis of DNA	2.54E-09	201
	Alfalfa				
Duodenum	hay	Negative	cell movement of leukocytes	2.95E-09	351
	Alfalfa				
Duodenum	hay	Negative	binding of DNA	2.95E-09	246
	Alfalfa				
Duodenum	hay	Negative	differentiation of blood cells	3.34E-09	383
	Alfalfa				
Duodenum	hay	Negative	engulfment of cells	3.63E-09	196
	Alfalfa				
Duodenum	hay	Negative	neonatal death	3.83E-09	210
	Alfalfa				
Duodenum	hay	Negative	phosphorylation of L-amino acid	3.93E-09	113
	Alfalfa				
Duodenum	hay	Negative	morphology of digestive system	4.05E-09	267
	Alfalfa				
Duodenum	hay	Negative	infection by Retroviridae	4.37E-09	330
	Alfalfa				
Duodenum	hay	Negative	survival of organism	4.75E-09	323
	Alfalfa				
Duodenum	hay	Negative	female genital tract serous cancer	4.94E-09	186
	Alfalfa				
Duodenum	hay	Negative	development of lymphocytes	4.95E-09	259
	Alfalfa				
Duodenum	hay	Negative	growth of epithelial tissue	5.13E-09	313
Duodenum	Alfalfa	Negative	development of epithelial tissue	5.33E-09	243

	hay				
	Alfalfa				
Duodenum	hay	Negative	cell death of fibroblast cell lines	5.57E-09	204
	Alfalfa				
Duodenum	hay	Negative	activation of enzyme	5.69E-09	187
	Alfalfa				
Duodenum	hay	Negative	development of lymphatic system	5.79E-09	173
	Alfalfa				
Duodenum	hay	Negative	sprouting	5.82E-09	186
	Alfalfa				
Duodenum	hay	Negative	metabolism of protein	6.28E-09	435
	Alfalfa				
Duodenum	hay	Negative	quantity of lymphatic system component	6.58E-09	182
	Alfalfa				
Duodenum	hay	Negative	breast or ovarian cancer	6.99E-09	815
	Alfalfa				
Duodenum	hay	Negative	development of mononuclear leukocytes	7.28E-09	260
	Alfalfa				
Duodenum	hay	Negative	cell transformation	7.65E-09	218
	Alfalfa				
Duodenum	hay	Negative	serous neoplasm	8.47E-09	282
	Alfalfa				
Duodenum	hay	Negative	proliferation of immune cells	8.50E-09	359
	Alfalfa				
Duodenum	hay	Negative	cell movement of myeloid cells	8.93E-09	252
	Alfalfa				
Duodenum	hay	Negative	HIV infection	1.04E-08	325
	Alfalfa				
Duodenum	hay	Negative	gastrointestinal tract cancer	1.06E-08	2048
	Alfalfa				
Duodenum	hay	Negative	cell death of epithelial cells	1.10E-08	233
	Alfalfa				
Duodenum	hay	Negative	interphase	1.18E-08	301
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of nervous system	1.18E-08	330
	Alfalfa				
Duodenum	hay	Negative	infection by RNA virus	1.38E-08	389
	Alfalfa				
Duodenum	hay	Negative	peripheral vascular disease	1.39E-08	182
	Alfalfa				
Duodenum	hay	Negative	branching of cells	1.64E-08	177
	Alfalfa				
Duodenum	hay	Negative	small GTPase mediated signal transduction	1.64E-08	95
Duodenum	Alfalfa	Negative	formation of lymphatic system component	1.67E-08	143

	hay				
	Alfalfa				
Duodenum	hay	Negative	morphology of muscle	1.69E-08	162
	Alfalfa				
Duodenum	hay	Negative	colony formation of cells	1.70E-08	230
	Alfalfa				
Duodenum	hay	Negative	homeostasis of leukocytes	1.73E-08	257
	Alfalfa				
Duodenum	hay	Negative	Gastrointestinal Tract Cancer and Tumors	1.82E-08	2077
	Alfalfa				
Duodenum	hay	Negative	formation of cells	1.91E-08	436
	Alfalfa				
Duodenum	hay	Negative	morphology of pulmonary alveolus	2.27E-08	65
	Alfalfa				
Duodenum	hay	Negative	advanced malignant tumor	2.27E-08	379
	Alfalfa				
Duodenum	hay	Negative	cell movement of phagocytes	2.30E-08	254
	Alfalfa				
Duodenum	hay	Negative	formation of actin filaments	2.31E-08	148
	Alfalfa				
Duodenum	hay	Negative	apoptosis of connective tissue cells	2.50E-08	144
	Alfalfa				
Duodenum	hay	Negative	Lymphocyte homeostasis	2.50E-08	252
	Alfalfa				
Duodenum	hay	Negative	epileptic seizure	2.78E-08	87
	Alfalfa				
Duodenum	hay	Negative	quantity of lymphoid organ	2.78E-08	149
	Alfalfa				
Duodenum	hay	Negative	autosomal dominant disease	2.79E-08	291
	Alfalfa				
Duodenum	hay	Negative	development of cardiovascular tissue	2.89E-08	176
	Alfalfa				
Duodenum	hay	Negative	synthesis of carbohydrate	2.96E-08	200
	Alfalfa				
Duodenum	hay	Negative	colony formation	2.96E-08	248
	Alfalfa				
Duodenum	hay	Negative	proliferation of embryonic cells	3.13E-08	123
	Alfalfa				
Duodenum	hay	Negative	quantity of reactive oxygen species	3.31E-08	91
	Alfalfa				
Duodenum	hay	Negative	adenocarcinoma	3.42E-08	2598
	Alfalfa				
Duodenum	hay	Negative	proliferation of mononuclear leukocytes	3.42E-08	333
Duodenum	Alfalfa	Negative	metabolism of nucleic acid component or	3.65E-08	240

	hay		derivative		
	Alfalfa				
Duodenum	hay	Negative	T cell development	3.67E-08	233
	Alfalfa				
Duodenum	hay	Negative	proliferation of lymphocytes	3.87E-08	328
	Alfalfa				
Duodenum	hay	Negative	development of lymphatic system component	4.12E-08	149
	Alfalfa				
Duodenum	hay	Negative	gastrointestinal carcinoma	4.40E-08	1836
	Alfalfa				
Duodenum	hay	Negative	metabolism of membrane lipid derivative	4.62E-08	183
	Alfalfa				
Duodenum	hay	Negative	concentration of acylglycerol	4.62E-08	160
	Alfalfa				
Duodenum	hay	Negative	arthropathy	4.93E-08	421
	Alfalfa				
Duodenum	hay	Negative	replication of Influenza virus	4.95E-08	140
	Alfalfa				
Duodenum	hay	Negative	apoptosis of fibroblast cell lines	4.99E-08	157
	Alfalfa				
Duodenum	hay	Negative	development of abdomen	5.52E-08	265
	Alfalfa				
Duodenum	hay	Negative	development of head	6.48E-08	432
	Alfalfa				
Duodenum	hay	Negative	formation of actin stress fibers	6.49E-08	118
	Alfalfa				
Duodenum	hay	Negative	mass of organism	7.05E-08	159
	Alfalfa				
Duodenum	hay	Negative	infection of cells	7.06E-08	356
	Alfalfa				
Duodenum	hay	Negative	arthritis	8.31E-08	413
	Alfalfa				
Duodenum	hay	Negative	uterine serous papillary cancer	8.38E-08	114
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of reproductive system	8.67E-08	234
	Alfalfa				
Duodenum	hay	Negative	T cell homeostasis	8.73E-08	237
	Alfalfa				
Duodenum	hay	Negative	dyspnea	9.25E-08	71
	Alfalfa				
Duodenum	hay	Negative	synthesis of fatty acid	9.25E-08	149
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of epithelial tissue	9.70E-08	195
Duodenum	Alfalfa	Negative	replication of Influenza A virus	9.73E-08	138

	hay				
	Alfalfa				
Duodenum	hay	Negative	long-term potentiation	1.03E-07	119
	Alfalfa				
Duodenum	hay	Negative	inflammatory response	1.11E-07	347
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of embryonic tissue	1.12E-07	250
	Alfalfa				
Duodenum	hay	Negative	dephosphorylation of protein	1.14E-07	94
	Alfalfa				
Duodenum	hay	Negative	development of endothelial tissue	1.15E-07	172
	Alfalfa				
Duodenum	hay	Negative	formation of lymphoid organ	1.15E-07	128
	Alfalfa				
Duodenum	hay	Negative	development of body axis	1.17E-07	459
	Alfalfa				
Duodenum	hay	Negative	accumulation of cells	1.17E-07	166
	Alfalfa				
Duodenum	hay	Negative	infection by HIV-1	1.23E-07	276
	Alfalfa				
Duodenum	hay	Negative	growth of plasma membrane projections	1.25E-07	215
	Alfalfa				
Duodenum	hay	Negative	size of animal	1.35E-07	90
	Alfalfa				
Duodenum	hay	Negative	export of molecule	1.35E-07	141
	Alfalfa				
Duodenum	hay	Negative	morphology of reproductive system	1.46E-07	244
	Alfalfa				
Duodenum	hay	Negative	S phase	1.47E-07	126
	Alfalfa				
Duodenum	hay	Negative	function of cardiovascular system	1.57E-07	173
	Alfalfa				
Duodenum	hay	Negative	growth of embryonic tissue	1.65E-07	132
	Alfalfa				
Duodenum	hay	Negative	endothelial cell development	1.67E-07	166
	Alfalfa				
Duodenum	hay	Negative	formation of leukocytes	1.73E-07	81
	Alfalfa				
Duodenum	hay	Negative	cell movement of breast cancer cell lines	1.77E-07	138
	Alfalfa				
Duodenum	hay	Negative	congenital anomaly of musculoskeletal system	1.77E-07	328
	Alfalfa				
Duodenum	hay	Negative	formation of lung	1.91E-07	143
Duodenum	Alfalfa	Negative	organization of actin cytoskeleton	1.91E-07	143

	hay				
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of pulmonary alveolus	2.02E-07	61
	Alfalfa				
Duodenum	hay	Negative	uptake of D-hexose	2.15E-07	109
	Alfalfa				
Duodenum	hay	Negative	cell viability of cervical cancer cell lines	2.15E-07	108
	Alfalfa				
Duodenum	hay	Negative	metabolism of nucleotide	2.16E-07	202
	Alfalfa				
Duodenum	hay	Negative	development of connective tissue	2.19E-07	173
	Alfalfa				
Duodenum	hay	Negative	function of muscle	2.19E-07	163
	Alfalfa				
Duodenum	hay	Negative	metabolism of reactive oxygen species	2.24E-07	228
	Alfalfa				
Duodenum	hay	Negative	abdominal adenocarcinoma	2.24E-07	2359
	Alfalfa				
Duodenum	hay	Negative	dysmyelination	2.30E-07	70
	Alfalfa				
Duodenum	hay	Negative	morphogenesis of neurons	2.35E-07	196
	Alfalfa				
Duodenum	hay	Negative	morphology of vessel	2.65E-07	145
	Alfalfa				
Duodenum	hay	Negative	morphology of connective tissue	2.68E-07	211
	Alfalfa				
Duodenum	hay	Negative	synthesis of reactive oxygen species	2.93E-07	219
	Alfalfa				
Duodenum	hay	Negative	cytopenia	2.95E-07	141
	Alfalfa				
Duodenum	hay	Negative	vascularization	3.30E-07	114
	Alfalfa				
Duodenum	hay	Negative	morphology of bone	3.35E-07	206
	Alfalfa				
Duodenum	hay	Negative	quantity of phagocytes	3.38E-07	195
	Alfalfa				
Duodenum	hay	Negative	ion homeostasis of cells	3.51E-07	251
	Alfalfa				
Duodenum	hay	Negative	growth of neurites	3.61E-07	211
	Alfalfa				
Duodenum	hay	Negative	growth of muscle tissue	3.61E-07	173
	Alfalfa				
Duodenum	hay	Negative	metastasis	3.61E-07	336
Duodenum	Alfalfa	Negative	abnormal morphology of bone	3.69E-07	200

	hay				
	Alfalfa				
Duodenum	hay	Negative	proliferation of muscle cells	3.74E-07	172
	Alfalfa				
Duodenum	hay	Negative	function of phagocytes	3.97E-07	144
	Alfalfa				
Duodenum	hay	Negative	cardiogenesis	4.01E-07	215
	Alfalfa				
Duodenum	hay	Negative	mammary tumor	4.18E-07	691
	Alfalfa				
Duodenum	hay	Negative	uptake of D-glucose	4.32E-07	107
	Alfalfa				
Duodenum	hay	Negative	invasion of prostate cancer cell lines	4.38E-07	55
	Alfalfa				
Duodenum	hay	Negative	morphogenesis of neurites	4.42E-07	192
	Alfalfa				
Duodenum	hay	Negative	quantity of adipose tissue	4.46E-07	132
	Alfalfa				
Duodenum	hay	Negative	synthesis of nitric oxide	4.56E-07	131
	Alfalfa				
Duodenum	hay	Negative	morphology of lymphatic system component	4.57E-07	191
	Alfalfa				
Duodenum	hay	Negative	dysgenesis	5.05E-07	243
	Alfalfa				
Duodenum	hay	Negative	quantity of steroid	5.28E-07	212
	Alfalfa				
Duodenum	hay	Negative	quantity of hematopoietic cells	5.28E-07	202
	Alfalfa				
Duodenum	hay	Negative	organization of filaments	5.55E-07	100
	Alfalfa				
Duodenum	hay	Negative	cell death of muscle cells	5.57E-07	156
	Alfalfa				
Duodenum	hay	Negative	activation of Protein kinase	5.73E-07	120
	Alfalfa				
Duodenum	hay	Negative	hypersensitive reaction	5.88E-07	196
	Alfalfa				
Duodenum	hay	Negative	cell death of blood cells	6.14E-07	307
	Alfalfa				
Duodenum	hay	Negative	Dermatitis	6.27E-07	198
	Alfalfa				
Duodenum	hay	Negative	quantity of hematopoietic progenitor cells	6.38E-07	201
	Alfalfa				
Duodenum	hay	Negative	cell death of epithelial cell lines	6.43E-07	133
Duodenum	Alfalfa	Negative	colorectal neoplasia	6.45E-07	1750

	hay				
	Alfalfa				
Duodenum	hay	Negative	differentiation of epithelial tissue	6.45E-07	166
	Alfalfa				
Duodenum	hay	Negative	apoptosis of muscle	6.45E-07	124
	Alfalfa				
Duodenum	hay	Negative	quantity of metal	6.70E-07	225
	Alfalfa				
Duodenum	hay	Negative	formation of skin	6.77E-07	169
	Alfalfa				
Duodenum	hay	Negative	secretory pathway	6.90E-07	96
	Alfalfa				
Duodenum	hay	Negative	mitosis	6.98E-07	224
	Alfalfa				
Duodenum	hay	Negative	morphology of muscle cells	7.37E-07	82
	Alfalfa				
Duodenum	hay	Negative	cell death of cervical cancer cell lines	7.43E-07	162
	Alfalfa				
Duodenum	hay	Negative	proliferation of smooth muscle cells	7.49E-07	134
	Alfalfa				
Duodenum	hay	Negative	concentration of phosphatidic acid	7.79E-07	69
	Alfalfa				
Duodenum	hay	Negative	intestinal tumor	7.92E-07	1754
	Alfalfa				
Duodenum	hay	Negative	apoptosis of muscle cells	8.01E-07	123
	Alfalfa				
Duodenum	hay	Negative	congenital anomaly of cardiovascular system	8.18E-07	109
	Alfalfa				
Duodenum	hay	Negative	cell death of muscle	8.23E-07	159
	Alfalfa				
Duodenum	hay	Negative	Hypertrophy	8.27E-07	214
	Alfalfa				
Duodenum	hay	Negative	peripheral arterial disease	8.64E-07	102
	Alfalfa				
Duodenum	hay	Negative	morphology of skin	8.66E-07	128
	Alfalfa				
Duodenum	hay	Negative	invasion of carcinoma cell lines	8.66E-07	96
	Alfalfa				
Duodenum	hay	Negative	MAPKKK cascade	8.66E-07	99
	Alfalfa				
Duodenum	hay	Negative	neurodegeneration of neurites	8.79E-07	49
	Alfalfa				
Duodenum	hay	Negative	Hypoplasia	8.97E-07	227
Duodenum	Alfalfa	Negative	plasticity of synapse	9.01E-07	62

	hay				
	Alfalfa				
Duodenum	hay	Negative	differentiation of mononuclear leukocytes	9.80E-07	242
	Alfalfa				
Duodenum	hay	Negative	quantity of thymus gland	9.81E-07	111
	Alfalfa				
Duodenum	hay	Negative	quantity of thymocytes	9.93E-07	110
	Alfalfa				
Duodenum	hay	Negative	necrosis of muscle	9.96E-07	158
	Alfalfa				
Duodenum	hay	Negative	concentration of Ca ²⁺	1.14E-06	65
	Alfalfa				
Duodenum	hay	Negative	chemotaxis of myeloid cells	1.24E-06	136
	Alfalfa				
Duodenum	hay	Negative	morphology of cardiac muscle	1.26E-06	82
	Alfalfa				
Duodenum	hay	Negative	allergy	1.29E-06	184
	Alfalfa				
Duodenum	hay	Negative	intestinal cancer	1.29E-06	1726
	Alfalfa				
Duodenum	hay	Negative	cell movement of connective tissue cells	1.31E-06	106
	Alfalfa				
Duodenum	hay	Negative	colorectal cancer	1.32E-06	1723
	Alfalfa				
Duodenum	hay	Negative	apoptosis of neurons	1.32E-06	197
	Alfalfa				
Duodenum	hay	Negative	gonadal tumor	1.37E-06	357
	Alfalfa				
Duodenum	hay	Negative	quantity of glycosphingolipid	1.37E-06	52
	Alfalfa				
Duodenum	hay	Negative	cell movement of fibroblasts	1.37E-06	89
	Alfalfa				
Duodenum	hay	Negative	migration of breast cancer cell lines	1.37E-06	116
	Alfalfa				
Duodenum	hay	Negative	colon cancer	1.37E-06	1495
	Alfalfa				
Duodenum	hay	Negative	morphology of lung	1.38E-06	91
	Alfalfa				
Duodenum	hay	Negative	synthesis of nucleotide	1.42E-06	166
	Alfalfa				
Duodenum	hay	Negative	activation of leukocytes	1.43E-06	307
	Alfalfa				
Duodenum	hay	Negative	cell spreading	1.48E-06	129
Duodenum	Alfalfa	Negative	quantity of antigen presenting cells	1.48E-06	129

	hay				
	Alfalfa				
Duodenum	hay	Negative	quantity of protein in blood	1.50E-06	227
	Alfalfa				
Duodenum	hay	Negative	colon tumor	1.53E-06	1503
	Alfalfa				
Duodenum	hay	Negative	Ovarian Cancer and Tumors	1.57E-06	331
	Alfalfa				
Duodenum	hay	Negative	epilepsy	1.74E-06	142
	Alfalfa				
Duodenum	hay	Negative	formation of muscle	1.74E-06	180
	Alfalfa				
Duodenum	hay	Negative	accumulation of blood cells	1.74E-06	130
	Alfalfa				
Duodenum	hay	Negative	hepatocellular carcinoma	1.84E-06	1682
	Alfalfa				
Duodenum	hay	Negative	quantity of B lymphocytes	1.94E-06	158
	Alfalfa				
Duodenum	hay	Negative	apoptosis of epithelial cell lines	2.01E-06	106
	Alfalfa				
Duodenum	hay	Negative	neoplasia of colon	2.05E-06	1497
	Alfalfa				
Duodenum	hay	Negative	morphology of blood vessel	2.05E-06	131
	Alfalfa				
Duodenum	hay	Negative	colorectal carcinoma	2.09E-06	1494
	Alfalfa				
Duodenum	hay	Negative	transmembrane potential of mitochondria	2.10E-06	102
	Alfalfa				
Duodenum	hay	Negative	ruffling	2.12E-06	56
	Alfalfa				
Duodenum	hay	Negative	mass of connective tissue	2.21E-06	96
	Alfalfa				
Duodenum	hay	Negative	function of myeloid cells	2.23E-06	112
	Alfalfa				
Duodenum	hay	Negative	demyelination	2.27E-06	61
	Alfalfa				
Duodenum	hay	Negative	transport of protein	2.28E-06	139
	Alfalfa				
Duodenum	hay	Negative	proliferation of hematopoietic cells	2.33E-06	119
	Alfalfa				
Duodenum	hay	Negative	Rheumatic Disease	2.39E-06	460
	Alfalfa				
Duodenum	hay	Negative	hepatobiliary system cancer	2.42E-06	1741
Duodenum	Alfalfa	Negative	metabolism of monosaccharide	2.42E-06	62

	hay				
	Alfalfa				
Duodenum	hay	Negative	inflammation of organ	2.48E-06	499
	Alfalfa				
Duodenum	hay	Negative	tumorigenesis of intestine	2.62E-06	1499
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of muscle	2.62E-06	145
	Alfalfa				
Duodenum	hay	Negative	differentiation of muscle	2.71E-06	139
	Alfalfa				
Duodenum	hay	Negative	proliferation of T lymphocytes	2.71E-06	266
	Alfalfa				
Duodenum	hay	Negative	tumorigenesis of gonad	2.80E-06	350
	Alfalfa				
Duodenum	hay	Negative	growth of lymphatic system component	2.81E-06	92
	Alfalfa				
Duodenum	hay	Negative	branching of neurons	2.83E-06	132
	Alfalfa				
Duodenum	hay	Negative	activation of blood cells	2.84E-06	325
	Alfalfa				
Duodenum	hay	Negative	apoptosis of cervical cancer cell lines	3.02E-06	130
	Alfalfa				
Duodenum	hay	Negative	activation of neuroglia	3.02E-06	66
	Alfalfa				
Duodenum	hay	Negative	differentiation of bone cells	3.19E-06	183
	Alfalfa				
Duodenum	hay	Negative	proliferation of epithelial cells	3.21E-06	219
	Alfalfa				
Duodenum	hay	Negative	formation of thymus gland	3.37E-06	79
	Alfalfa				
Duodenum	hay	Negative	apoptosis of blood cells	3.50E-06	220
	Alfalfa				
Duodenum	hay	Negative	formation of blood cells	3.52E-06	94
	Alfalfa				
Duodenum	hay	Negative	cell death of neuroblastoma cell lines	3.56E-06	92
	Alfalfa				
Duodenum	hay	Negative	glucose metabolism disorder	3.62E-06	541
	Alfalfa				
Duodenum	hay	Negative	autophagy	3.71E-06	169
	Alfalfa				
Duodenum	hay	Negative	apoptosis of pheochromocytoma cell lines	3.81E-06	48
	Alfalfa				
Duodenum	hay	Negative	function of antigen presenting cells	3.88E-06	114
Duodenum	Alfalfa	Negative	abnormal morphology of skull	3.95E-06	103

	hay				
	Alfalfa				
Duodenum	hay	Negative	infection of embryonic cell lines	3.95E-06	127
	Alfalfa				
Duodenum	hay	Negative	infection of epithelial cell lines	3.95E-06	127
	Alfalfa				
Duodenum	hay	Negative	abdominal carcinoma	3.95E-06	2375
	Alfalfa				
Duodenum	hay	Negative	differentiation of bone	4.03E-06	184
	Alfalfa				
Duodenum	hay	Negative	respiratory system development	4.06E-06	155
	Alfalfa				
Duodenum	hay	Negative	cell movement of neutrophils	4.22E-06	136
	Alfalfa				
Duodenum	hay	Negative	morphology of blood cells	4.25E-06	186
	Alfalfa				
Duodenum	hay	Negative	morphology of lymphoid organ	4.26E-06	176
	Alfalfa				
Duodenum	hay	Negative	metabolism of phospholipid	4.29E-06	109
	Alfalfa				
Duodenum	hay	Negative	concentration of triacylglycerol	4.32E-06	140
	Alfalfa				
Duodenum	hay	Negative	chemotaxis of phagocytes	4.32E-06	135
	Alfalfa				
Duodenum	hay	Negative	hypertrophy of heart	4.36E-06	153
	Alfalfa				
Duodenum	hay	Negative	mass of adipose tissue	4.45E-06	90
	Alfalfa				
Duodenum	hay	Negative	proliferation of prostate cancer cell lines	4.46E-06	139
	Alfalfa				
Duodenum	hay	Negative	ovarian cancer	4.47E-06	309
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of skin	4.76E-06	113
	Alfalfa				
Duodenum	hay	Negative	atrophy of muscle	4.93E-06	72
	Alfalfa				
Duodenum	hay	Negative	modification of peptide	4.96E-06	54
	Alfalfa				
Duodenum	hay	Negative	outgrowth of plasma membrane projections	5.02E-06	182
	Alfalfa				
Duodenum	hay	Negative	adenoma	5.03E-06	243
	Alfalfa				
Duodenum	hay	Negative	infection of kidney cell lines	5.08E-06	130
Duodenum	Alfalfa	Negative	quantity of metal ion	5.10E-06	197

	hay				
	Alfalfa				
Duodenum	hay	Negative	homing of blood cells	5.46E-06	170
	Alfalfa				
Duodenum	hay	Negative	neurodegeneration of axons	5.46E-06	45
	Alfalfa				
Duodenum	hay	Negative	cell death of pheochromocytoma cell lines	5.46E-06	60
	Alfalfa				
Duodenum	hay	Negative	Bleeding	5.58E-06	189
	Alfalfa				
Duodenum	hay	Negative	branching of neurites	5.58E-06	127
	Alfalfa				
Duodenum	hay	Negative	cell death of immune cells	5.61E-06	287
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of snout	5.76E-06	36
	Alfalfa				
Duodenum	hay	Negative	liver cancer	5.96E-06	1728
	Alfalfa				
Duodenum	hay	Negative	liver tumor	6.13E-06	1739
	Alfalfa				
Duodenum	hay	Negative	liver lesion	6.16E-06	1740
	Alfalfa				
Duodenum	hay	Negative	quantity of cytokine	6.26E-06	117
	Alfalfa				
Duodenum	hay	Negative	cell movement of endothelial cells	6.36E-06	159
	Alfalfa				
Duodenum	hay	Negative	shape change of neurons	6.49E-06	133
	Alfalfa				
Duodenum	hay	Negative	differentiation of epithelial cells	6.57E-06	142
	Alfalfa				
Duodenum	hay	Negative	function of mononuclear leukocytes	6.67E-06	154
	Alfalfa		intermediate disease stage peripheral arterial		
Duodenum	hay	Negative	disease	6.86E-06	76
	Alfalfa				
Duodenum	hay	Negative	chronic myeloid leukemia	6.92E-06	54
	Alfalfa				
Duodenum	hay	Negative	engulfment of leukocytes	6.92E-06	77
	Alfalfa				
Duodenum	hay	Negative	hereditary neuropathy	7.04E-06	79
	Alfalfa				
Duodenum	hay	Negative	size of embryo	7.07E-06	160
	Alfalfa				
Duodenum	hay	Negative	proliferation of hematopoietic progenitor cells	7.10E-06	112
Duodenum	Alfalfa	Negative	chronic inflammatory disorder	7.44E-06	414

	hay				
	Alfalfa				
Duodenum	hay	Negative	differentiation of lymphocytes	7.54E-06	219
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of lymphoid organ	7.55E-06	169
	Alfalfa				
Duodenum	hay	Negative	quantity of trophoblast giant cells	7.66E-06	23
	Alfalfa				
Duodenum	hay	Negative	repair of DNA	7.94E-06	132
	Alfalfa				
Duodenum	hay	Negative	production of antibody	7.97E-06	141
	Alfalfa				
Duodenum	hay	Negative	autophagy of cells	7.97E-06	121
	Alfalfa				
Duodenum	hay	Negative	cell death of fibroblasts	7.97E-06	121
	Alfalfa				
Duodenum	hay	Negative	function of lymphocytes	8.02E-06	153
	Alfalfa				
Duodenum	hay	Negative	cell movement of carcinoma cell lines	8.02E-06	96
	Alfalfa				
Duodenum	hay	Negative	formation of lymphocytes	8.07E-06	62
	Alfalfa				
Duodenum	hay	Negative	binding of protein binding site	8.12E-06	131
	Alfalfa				
Duodenum	hay	Negative	production of protein	8.34E-06	148
	Alfalfa				
Duodenum	hay	Negative	morphology of skull	8.50E-06	104
	Alfalfa				
Duodenum	hay	Negative	Hypertension	8.52E-06	278
	Alfalfa				
Duodenum	hay	Negative	morphology of genital organ	8.59E-06	188
	Alfalfa				
Duodenum	hay	Negative	formation of mononuclear leukocytes	8.73E-06	64
	Alfalfa				
Duodenum	hay	Negative	quantity of sphingolipid	8.80E-06	53
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of lung	8.82E-06	86
	Alfalfa				
Duodenum	hay	Negative	engulfment of blood cells	8.89E-06	81
	Alfalfa				
Duodenum	hay	Negative	release of L-amino acid	8.89E-06	43
	Alfalfa				
Duodenum	hay	Negative	differentiation of muscle cells	8.90E-06	128
Duodenum	Alfalfa	Negative	homing of leukocytes	8.90E-06	168

	hay				
	Alfalfa				
Duodenum	hay	Negative	growth of skin	8.91E-06	101
	Alfalfa				
Duodenum	hay	Negative	quantity of subcutaneous fat	9.08E-06	34
	Alfalfa				
Duodenum	hay	Negative	metabolism of DNA	9.19E-06	177
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of blood vessel	9.35E-06	121
	Alfalfa				
Duodenum	hay	Negative	development of sensory organ	9.43E-06	246
	Alfalfa				
Duodenum	hay	Negative	breast cancer	9.76E-06	634
	Alfalfa				
Duodenum	hay	Negative	quantity of macrophages	1.01E-05	94
	Alfalfa				
Duodenum	hay	Negative	quantity of immunoglobulin	1.01E-05	134
	Alfalfa				
Duodenum	hay	Negative	concentration of sterol	1.03E-05	138
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of type II pneumocytes	1.03E-05	19
	Alfalfa				
Duodenum	hay	Negative	familial Alzheimer's disease	1.03E-05	19
	Alfalfa				
Duodenum	hay	Negative	length of cells	1.03E-05	51
	Alfalfa				
Duodenum	hay	Negative	morphology of heart ventricle	1.05E-05	90
	Alfalfa				
Duodenum	hay	Negative	exocytosis	1.06E-05	89
	Alfalfa				
Duodenum	hay	Negative	growth of liver	1.06E-05	89
	Alfalfa				
Duodenum	hay	Negative	cell viability of central nervous system cells	1.06E-05	56
	Alfalfa				
Duodenum	hay	Negative	migration of connective tissue cells	1.10E-05	85
	Alfalfa				
Duodenum	hay	Negative	outgrowth of neurites	1.10E-05	179
	Alfalfa				
Duodenum	hay	Negative	differentiation of muscle cell lines	1.10E-05	77
	Alfalfa				
Duodenum	hay	Negative	function of macrophages	1.10E-05	84
	Alfalfa				
Duodenum	hay	Negative	contractility of heart	1.10E-05	83
Duodenum	Alfalfa	Negative	phosphorylation of L-tyrosine	1.10E-05	83

	hay				
	Alfalfa				
Duodenum	hay	Negative	proliferation of endothelial cells	1.10E-05	140
	Alfalfa				
Duodenum	hay	Negative	urination disorder	1.10E-05	131
	Alfalfa				
Duodenum	hay	Negative	cellular infiltration	1.13E-05	193
	Alfalfa				
Duodenum	hay	Negative	arrest in interphase	1.14E-05	184
	Alfalfa				
Duodenum	hay	Negative	congenital heart disease	1.16E-05	97
	Alfalfa				
Duodenum	hay	Negative	Breast Cancer and Tumors	1.19E-05	635
	Alfalfa				
Duodenum	hay	Negative	cleavage of lipid	1.24E-05	93
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of internal genitalia	1.25E-05	156
	Alfalfa				
Duodenum	hay	Negative	advanced stage solid tumor	1.26E-05	225
	Alfalfa				
Duodenum	hay	Negative	cell death of liver cells	1.27E-05	91
	Alfalfa				
Duodenum	hay	Negative	invasion of tissue	1.27E-05	91
	Alfalfa				
Duodenum	hay	Negative	apoptosis of neuroblastoma cell lines	1.29E-05	60
	Alfalfa				
Duodenum	hay	Negative	proliferation of liver cells	1.32E-05	88
	Alfalfa				
Duodenum	hay	Negative	metabolism of peptide	1.34E-05	87
	Alfalfa				
Duodenum	hay	Negative	multiple congenital anomalies	1.36E-05	186
	Alfalfa				
Duodenum	hay	Negative	morphology of cardiomyocytes	1.42E-05	47
	Alfalfa				
Duodenum	hay	Negative	release of L-glutamic acid	1.45E-05	41
	Alfalfa				
Duodenum	hay	Negative	cell death of T lymphocytes	1.45E-05	141
	Alfalfa				
Duodenum	hay	Negative	development of genitourinary system	1.46E-05	377
	Alfalfa				
Duodenum	hay	Negative	quantity of IL-6 in blood	1.47E-05	44
	Alfalfa				
Duodenum	hay	Negative	leukopenia	1.49E-05	64
Duodenum	Alfalfa	Negative	morphology of mouth	1.53E-05	65

	hay				
	Alfalfa				
Duodenum	hay	Negative	stage 3 cancer	1.53E-05	65
	Alfalfa				
Duodenum	hay	Negative	quantity of myeloid cells	1.54E-05	158
	Alfalfa				
Duodenum	hay	Negative	metastatic gastrointestinal tract cancer	1.55E-05	102
	Alfalfa				
Duodenum	hay	Negative	abnormal morphology of genital organ	1.55E-05	180
	Alfalfa				
Duodenum	hay	Negative	experimentally-induced diabetes	1.55E-05	48
	Alfalfa				
Duodenum	hay	Negative	metabolism of nucleoside triphosphate	1.60E-05	67
	Alfalfa				
Duodenum	hay	Negative	biosynthesis of nucleoside triphosphate	1.64E-05	53
	Alfalfa				
Duodenum	hay	Negative	development of hematopoietic system	1.68E-05	113
	Alfalfa				
Duodenum	hay	Negative	shape change of neurites	1.71E-05	128
	Alfalfa				
Duodenum	hay	Negative	production of reactive oxygen species	1.73E-05	162
	Rice				
Duodenum	straw	Positive	cancer	1.42E-34	2894
	Rice				
Duodenum	straw	Positive	malignant solid tumor	6.33E-34	2861
	Rice				
Duodenum	straw	Positive	organismal death	9.10E-29	788
	Rice				
Duodenum	straw	Positive	morbidity or mortality	6.12E-28	793
	Rice				
Duodenum	straw	Positive	proliferation of cells	2.85E-25	1115
	Rice				
Duodenum	straw	Positive	tumorigenesis of tissue	7.77E-22	2413
	Rice				
Duodenum	straw	Positive	epithelial cancer	5.10E-21	2353
	Rice				
Duodenum	straw	Positive	morphology of cells	5.10E-21	631
	Rice				
Duodenum	straw	Positive	neoplasia of epithelial tissue	2.10E-20	2369
	Rice				
Duodenum	straw	Positive	apoptosis	1.36E-19	811
	Rice				
Duodenum	straw	Positive	cell death	1.08E-18	987
Duodenum	Rice	Positive	necrosis	1.98E-18	786

	straw				
	Rice				
Duodenum	straw	Positive	expression of RNA	5.24E-18	671
	Rice				
Duodenum	straw	Positive	transcription	8.28E-18	629
	Rice				
Duodenum	straw	Positive	abdominal neoplasm	9.84E-18	2336
	Rice				
Duodenum	straw	Positive	cell movement	9.84E-18	664
	Rice				
Duodenum	straw	Positive	differentiation of cells	9.26E-17	692
	Rice				
Duodenum	straw	Positive	angiogenesis	9.26E-17	320
	Rice				
Duodenum	straw	Positive	quantity of cells	1.50E-16	561
	Rice				
Duodenum	straw	Positive	abdominal cancer	4.94E-16	2300
	Rice				
Duodenum	straw	Positive	transcription of RNA	6.40E-16	582
	Rice				
Duodenum	straw	Positive	transport of molecule	6.67E-16	515
	Rice				
Duodenum	straw	Positive	organization of cytoplasm	1.88E-15	491
	Rice				
Duodenum	straw	Positive	migration of cells	4.00E-15	590
	Rice				
Duodenum	straw	Positive	abnormal morphology of cells	5.24E-15	415
	Rice				
Duodenum	straw	Positive	Growth Failure	4.24E-14	218
	Rice				
Duodenum	straw	Positive	cellular homeostasis	2.31E-13	478
	Rice				
Duodenum	straw	Positive	organization of cytoskeleton	4.41E-13	442
	Rice				
Duodenum	straw	Positive	size of body	1.02E-12	288
	Rice				
Duodenum	straw	Positive	morphology of cardiovascular system	1.67E-12	219
	Rice				
Duodenum	straw	Positive	quantity of leukocytes	2.63E-12	305
	Rice				
Duodenum	straw	Positive	vasculogenesis	2.65E-12	253
	Rice				
Duodenum	straw	Positive	quantity of lymphocytes	3.17E-12	244
Duodenum	Rice	Positive	quantity of mononuclear leukocytes	3.60E-12	252

	straw				
	Rice				
Duodenum	straw	Positive	cell movement of tumor cell lines	5.58E-12	285
	Rice				
Duodenum	straw	Positive	cell survival	7.29E-12	435
	Rice				
Duodenum	straw	Positive	cell death of tumor cell lines	7.29E-12	471
	Rice				
Duodenum	straw	Positive	ubiquitination	1.25E-11	129
	Rice				
Duodenum	straw	Positive	cell viability	1.59E-11	408
	Rice				
Duodenum	straw	Positive	ubiquitination of protein	1.65E-11	127
	Rice				
Duodenum	straw	Positive	protein kinase cascade	1.65E-11	155
	Rice				
Duodenum	straw	Positive	abnormal morphology of cardiovascular system	2.36E-11	199
	Rice				
Duodenum	straw	Positive	proliferation of connective tissue cells	3.41E-11	206
	Rice				
Duodenum	straw	Positive	quantity of blood cells	3.63E-11	331
	Rice				
Duodenum	straw	Positive	transcription of DNA	4.66E-11	469
	Rice				
Duodenum	straw	Positive	apoptosis of tumor cell lines	4.75E-11	381
	Rice				
Duodenum	straw	Positive	microtubule dynamics	5.82E-11	373
	Rice				
Duodenum	straw	Positive	digestive organ tumor	5.82E-11	1992
	Rice				
Duodenum	straw	Positive	digestive system cancer	9.28E-11	1973
	Rice				
Duodenum	straw	Positive	growth of connective tissue	1.20E-10	219
	Rice				
Duodenum	straw	Positive	Movement Disorders	2.12E-10	336
	Rice				
Duodenum	straw	Positive	invasion of cells	2.12E-10	283
	Rice				
Duodenum	straw	Positive	transactivation	2.95E-10	198
	Rice				
Duodenum	straw	Positive	cell death of connective tissue cells	6.48E-10	204
	Rice				
Duodenum	straw	Positive	growth of organism	7.63E-10	271
Duodenum	Rice	Positive	morphology of body cavity	8.59E-10	370

	straw				
	Rice				
Duodenum	straw	Positive	cell transformation	1.03E-09	161
	Rice				
Duodenum	straw	Positive	differentiation of connective tissue	1.03E-09	240
	Rice				
Duodenum	straw	Positive	quantity of T lymphocytes	1.15E-09	183
	Rice				
Duodenum	straw	Positive	migration of tumor cell lines	1.21E-09	233
	Rice				
Duodenum	straw	Positive	abnormal morphology of thoracic cavity	1.25E-09	198
	Rice				
Duodenum	straw	Positive	cell death of epithelial cells	1.68E-09	171
	Rice				
Duodenum	straw	Positive	development of connective tissue	1.76E-09	133
	Rice				
Duodenum	straw	Positive	necrosis of epithelial tissue	1.76E-09	198
	Rice				
Duodenum	straw	Positive	binding of DNA	1.78E-09	178
	Rice				
Duodenum	straw	Positive	Bleeding	1.86E-09	149
	Rice				
Duodenum	straw	Positive	development of vasculature	2.24E-09	147
	Rice				
Duodenum	straw	Positive	morphology of heart	2.38E-09	143
	Rice				
Duodenum	straw	Positive	perinatal death	2.43E-09	199
	Rice				
Duodenum	straw	Positive	differentiation of connective tissue cells	2.56E-09	213
	Rice				
Duodenum	straw	Positive	abnormal morphology of body cavity	3.63E-09	352
	Rice				
Duodenum	straw	Positive	degeneration of nervous system	4.08E-09	106
	Rice				
Duodenum	straw	Positive	transactivation of RNA	4.59E-09	183
	Rice				
Duodenum	straw	Positive	formation of cells	4.59E-09	308
	Rice				
Duodenum	straw	Positive	Organ Degeneration	5.09E-09	168
	Rice				
Duodenum	straw	Positive	invasion of tumor cell lines	5.60E-09	218
	Rice				
Duodenum	straw	Positive	Neurodegeneration	7.50E-09	112
Duodenum	Rice	Positive	morphology of bone	1.04E-08	154

	straw				
	Rice				
Duodenum	straw	Positive	colony formation of cells	1.36E-08	166
	Rice				
Duodenum	straw	Positive	apoptosis of fibroblast cell lines	1.38E-08	117
	Rice				
Duodenum	straw	Positive	development of body trunk	2.02E-08	341
	Rice				
Duodenum	straw	Positive	colony formation	2.55E-08	178
	Rice				
Duodenum	straw	Positive	abnormal morphology of nervous system	2.70E-08	232
	Rice				
Duodenum	straw	Positive	apoptosis of epithelial cells	2.99E-08	103
	Rice				
Duodenum	straw	Positive	metabolism of DNA	3.01E-08	137
	Rice				
Duodenum	straw	Positive	development of blood cells	3.31E-08	211
	Rice				
Duodenum	straw	Positive	quantity of B lymphocytes	3.41E-08	121
	Rice				
Duodenum	straw	Positive	growth of embryo	3.42E-08	160
	Rice				
Duodenum	straw	Positive	morphology of nervous system	3.42E-08	248
	Rice				
Duodenum	straw	Positive	abnormal morphology of bone	3.44E-08	148
	Rice				
Duodenum	straw	Positive	neuronal cell death	3.50E-08	219
	Rice				
Duodenum	straw	Positive	formation of cytoskeleton	3.53E-08	130
	Rice				
Duodenum	straw	Positive	function of cardiovascular system	3.63E-08	128
	Rice				
Duodenum	straw	Positive	organization of organelle	3.67E-08	178
	Rice				
Duodenum	straw	Positive	proliferation of tumor cell lines	3.76E-08	454
	Rice				
Duodenum	straw	Positive	proliferation of blood cells	3.92E-08	264
	Rice				
Duodenum	straw	Positive	S phase	3.92E-08	95
	Rice				
Duodenum	straw	Positive	synthesis of lipid	3.92E-08	228
	Rice				
Duodenum	straw	Positive	adenocarcinoma	4.44E-08	1718
Duodenum	Rice	Positive	development of epithelial tissue	4.45E-08	171

	straw				
	Rice				
Duodenum	straw	Positive	proliferation of neuronal cells	4.94E-08	188
	Rice				
Duodenum	straw	Positive	apoptosis of leukocytes	6.23E-08	153
	Rice				
Duodenum	straw	Positive	proliferation of fibroblast cell lines	6.69E-08	143
	Rice				
Duodenum	straw	Positive	development of leukocytes	6.97E-08	191
	Rice				
Duodenum	straw	Positive	apoptosis of blood cells	6.97E-08	164
	Rice				
Duodenum	straw	Positive	development of cytoplasm	8.05E-08	154
	Rice				
Duodenum	straw	Positive	congenital anomaly of musculoskeletal system	1.08E-07	232
	Rice				
Duodenum	straw	Positive	activation of cells	1.09E-07	299
	Rice				
Duodenum	straw	Positive	abdominal adenocarcinoma	1.13E-07	1566
	Rice				
Duodenum	straw	Positive	quantity of connective tissue	1.18E-07	194
	Rice				
Duodenum	straw	Positive	generation of blood cells	1.31E-07	64
	Rice				
Duodenum	straw	Positive	generation of leukocytes	1.31E-07	63
	Rice				
Duodenum	straw	Positive	morphology of cardiovascular tissue	1.31E-07	39
	Rice				
Duodenum	straw	Positive	development of lymphatic system	1.35E-07	122
	Rice				
Duodenum	straw	Positive	cell cycle progression	1.37E-07	317
	Rice				
Duodenum	straw	Positive	function of blood cells	1.37E-07	189
	Rice				
Duodenum	straw	Positive	proliferation of lymphatic system cells	1.40E-07	75
	Rice				
Duodenum	straw	Positive	quantity of lymphatic system component	1.53E-07	128
	Rice				
Duodenum	straw	Positive	activation of DNA endogenous promoter	1.89E-07	360
	Rice				
Duodenum	straw	Positive	morphology of respiratory system	1.89E-07	108
	Rice				
Duodenum	straw	Positive	morphology of connective tissue	1.92E-07	152
Duodenum	Rice	Positive	apoptosis of muscle	2.03E-07	93

	straw				
	Rice				
Duodenum	straw	Positive	generation of lymphocytes	2.03E-07	56
	Rice				
Duodenum	straw	Positive	function of leukocytes	2.06E-07	174
	Rice				
Duodenum	straw	Positive	demyelination of central nervous system	2.14E-07	24
	Rice				
Duodenum	straw	Positive	morphology of skin	2.21E-07	96
	Rice				
Duodenum	straw	Positive	mitosis	2.21E-07	162
	Rice				
Duodenum	straw	Positive	differentiation of epithelial tissue	2.22E-07	122
	Rice				
Duodenum	straw	Positive	abnormal morphology of heart	2.26E-07	129
	Rice				
Duodenum	straw	Positive	Viral Infection	2.32E-07	465
	Rice				
Duodenum	straw	Positive	female genital neoplasm	2.38E-07	970
	Rice				
Duodenum	straw	Positive	quantity of thymus gland	2.54E-07	84
	Rice				
Duodenum	straw	Positive	synthesis of nitric oxide	2.73E-07	97
	Rice				
Duodenum	straw	Positive	apoptosis of neurons	2.73E-07	144
	Rice				
Duodenum	straw	Positive	apoptosis of muscle cells	2.87E-07	92
	Rice				
Duodenum	straw	Positive	degeneration of cells	2.95E-07	117
	Rice				
Duodenum	straw	Positive	interphase	3.03E-07	207
	Rice				
Duodenum	straw	Positive	hepatocellular carcinoma	3.03E-07	1129
	Rice				
Duodenum	straw	Positive	proliferation of immune cells	3.05E-07	245
	Rice				
Duodenum	straw	Positive	neuromuscular disease	3.17E-07	270
	Rice				
Duodenum	straw	Positive	quantity of lymphoid organ	3.18E-07	106
	Rice				
Duodenum	straw	Positive	abnormal morphology of abdomen	3.53E-07	268
	Rice				
Duodenum	straw	Positive	sprouting	3.60E-07	129
Duodenum	Rice	Positive	morphology of reproductive system	3.95E-07	172

	straw				
	Rice				
Duodenum	straw	Positive	growth of plasma membrane projections	4.42E-07	152
	Rice				
Duodenum	straw	Positive	disorder of basal ganglia	4.68E-07	237
	Rice				
Duodenum	straw	Positive	behavior	4.68E-07	298
	Rice				
Duodenum	straw	Positive	cell movement of fibroblasts	4.75E-07	68
	Rice				
Duodenum	straw	Positive	morphology of head	4.85E-07	267
	Rice				
Duodenum	straw	Positive	cell death of hepatocytes	4.88E-07	59
	Rice				
Duodenum	straw	Positive	abnormal morphology of head	4.96E-07	255
	Rice				
Duodenum	straw	Positive	abnormal morphology of reproductive system	4.96E-07	164
	Rice				
Duodenum	straw	Positive	activation of enzyme	5.12E-07	129
	Rice				
Duodenum	straw	Positive	abnormal morphology of respiratory system	5.21E-07	105
	Rice				
Duodenum	straw	Positive	cell death of blood cells	5.63E-07	216
	Rice				
Duodenum	straw	Positive	migration of connective tissue cells	5.92E-07	67
	Rice				
Duodenum	straw	Positive	cell death of fibroblast cell lines	6.02E-07	140
	Rice				
Duodenum	straw	Positive	quantity of thymocytes	6.51E-07	82
	Rice				
Duodenum	straw	Positive	differentiation of bone cells	6.61E-07	134
	Rice				
Duodenum	straw	Positive	cell death of T lymphocytes	6.66E-07	107
	Rice				
Duodenum	straw	Positive	differentiation of bone	6.72E-07	135
	Rice				
Duodenum	straw	Positive	branching of cells	6.80E-07	123
	Rice				
Duodenum	straw	Positive	skin abnormality	6.80E-07	81
	Rice				
Duodenum	straw	Positive	cell death of fibroblasts	6.93E-07	92
	Rice				
Duodenum	straw	Positive	genital tumor	7.20E-07	1088
Duodenum	Rice	Positive	binding of protein binding site	7.20E-07	99

	straw				
	Rice				
Duodenum	straw	Positive	size of animal	7.27E-07	66
	Rice				
Duodenum	straw	Positive	formation of skin	7.27E-07	122
	Rice				
Duodenum	straw	Positive	phosphorylation of protein	7.36E-07	227
	Rice				
Duodenum	straw	Positive	development of lymphatic system component	7.61E-07	105
	Rice				
Duodenum	straw	Positive	neonatal death	7.63E-07	143
	Rice				
Duodenum	straw	Positive	morphology of endothelial tissue	7.99E-07	36
	Rice				
Duodenum	straw	Positive	cell death of liver	8.96E-07	84
	Rice				
Duodenum	straw	Positive	cell movement of connective tissue cells	8.96E-07	79
	Rice				
Duodenum	straw	Positive	cognition	9.08E-07	147
	Rice				
Duodenum	straw	Positive	Edema	9.18E-07	115
	Rice				
Duodenum	straw	Positive	apoptosis of heart cells	9.18E-07	69
	Rice				
Duodenum	straw	Positive	growth of epithelial tissue	9.22E-07	211
	Rice				
Duodenum	straw	Positive	cell death of lymphocytes	9.35E-07	127
	Rice				
Duodenum	straw	Positive	growth of neurites	1.03E-06	149
	Rice				
Duodenum	straw	Positive	apoptosis of T lymphocytes	1.03E-06	96
	Rice				
Duodenum	straw	Positive	synthesis of DNA	1.03E-06	136
	Rice				
Duodenum	straw	Positive	cell death of immune cells	1.05E-06	205
	Rice				
Duodenum	straw	Positive	quantity of phagocytes	1.06E-06	138
	Rice				
Duodenum	straw	Positive	development of lymphocytes	1.07E-06	175
	Rice				
Duodenum	straw	Positive	development of cardiovascular tissue	1.15E-06	122
	Rice				
Duodenum	straw	Positive	seizure disorder	1.15E-06	151
Duodenum	Rice	Positive	development of mononuclear leukocytes	1.17E-06	176

	straw					
	Rice					
Duodenum	straw	Positive	cellular degradation	1.21E-06	88	
	Rice					
Duodenum	straw	Positive	proliferation of fibroblasts	1.24E-06	117	
	Rice					
Duodenum	straw	Positive	endometrium tumor	1.26E-06	791	
	Rice					
Duodenum	straw	Positive	necrosis of liver	1.27E-06	83	
	Rice					
Duodenum	straw	Positive	apoptosis of central nervous system cells	1.27E-06	60	
	Rice					
Duodenum	straw	Positive	apoptosis of lymphocytes	1.29E-06	115	
	Rice					
Duodenum	straw	Positive	T cell development	1.34E-06	160	
	Rice					
Duodenum	straw	Positive	proliferation of hematopoietic cells	1.39E-06	88	
	Rice					
Duodenum	straw	Positive	apoptosis of cardiomyocytes	1.42E-06	67	
	Rice					
Duodenum	straw	Positive	apoptosis of hepatocytes	1.45E-06	51	
	Rice					
Duodenum	straw	Positive	biosynthesis of nucleoside triphosphate	1.53E-06	43	
	Rice					
Duodenum	straw	Positive	proliferation of embryonic cells	1.62E-06	86	
	Rice					
Duodenum	straw	Positive	differentiation of epithelial cells	1.63E-06	105	
	Rice					
Duodenum	straw	Positive	cell death of dermal cells	1.66E-06	40	
	Rice					
Duodenum	straw	Positive	morphology of vessel	1.68E-06	103	
	Rice					
Duodenum	straw	Positive	outgrowth of plasma membrane projections	1.81E-06	132	
	Rice					
Duodenum	straw	Positive	cell viability of connective tissue cells	1.84E-06	51	
	Rice					
Duodenum	straw	Positive	growth of lymphatic system component	1.84E-06	69	
	Rice					
Duodenum	straw	Positive	proliferation of hematopoietic progenitor cells	1.86E-06	84	
	Rice					
Duodenum	straw	Positive	cell death of mononuclear leukocytes	1.88E-06	129	
	Rice					
Duodenum	straw	Positive	learning	1.88E-06	135	
Duodenum	Rice	Positive	liver cancer	1.96E-06	1154	

	straw				
	Rice				
Duodenum	straw	Positive	growth of muscle tissue	2.01E-06	122
	Rice				
Duodenum	straw	Positive	morphology of muscle	2.04E-06	111
	Rice				
Duodenum	straw	Positive	abdominal carcinoma	2.04E-06	1572
	Rice				
Duodenum	straw	Positive	abnormal morphology of epithelial tissue	2.09E-06	135
	Rice				
Duodenum	straw	Positive	endometrial cancer	2.11E-06	787
	Rice				
Duodenum	straw	Positive	tumorigenesis of reproductive tract	2.11E-06	924
	Rice				
Duodenum	straw	Positive	autosomal recessive disease	2.22E-06	275
	Rice				
Duodenum	straw	Positive	cell viability of tumor cell lines	2.30E-06	236
	Rice				
Duodenum	straw	Positive	hepatobiliary system cancer	2.31E-06	1158
	Rice				
Duodenum	straw	Positive	proliferation of muscle cells	2.44E-06	121
	Rice				
Duodenum	straw	Positive	apoptosis of mononuclear leukocytes	2.46E-06	117
	Rice				
Duodenum	straw	Positive	growth of embryonic tissue	2.52E-06	93
	Rice				
Duodenum	straw	Positive	inflammation of central nervous system	2.53E-06	101
	Rice				
Duodenum	straw	Positive	dysgenesis	2.58E-06	169
	Rice				
Duodenum	straw	Positive	cell death of cervical cancer cell lines	2.59E-06	115
	Rice				
Duodenum	straw	Positive	generation of T lymphocytes	2.70E-06	45
	Rice				
Duodenum	straw	Positive	female genital tract adenocarcinoma	2.72E-06	786
	Rice				
Duodenum	straw	Positive	morphology of endothelial cells	2.72E-06	28
	Rice				
Duodenum	straw	Positive	differentiation of tumor cell lines	2.83E-06	123
	Rice				
Duodenum	straw	Positive	migration of blood cells	3.08E-06	261
	Rice				
Duodenum	straw	Positive	T cell homeostasis	3.09E-06	162
Duodenum	Rice	Positive	metabolism of protein	3.09E-06	288

	straw					
	Rice					
Duodenum	straw	Positive	proliferation of mononuclear leukocytes	3.13E-06	224	
	Rice					
Duodenum	straw	Positive	aggregation of blood platelets	3.20E-06	68	
	Rice					
Duodenum	straw	Positive	development of endothelial tissue	3.22E-06	119	
	Rice					
Duodenum	straw	Positive	outgrowth of neurites	3.22E-06	130	
	Rice					
Duodenum	straw	Positive	degeneration of neurons	3.25E-06	82	
	Rice					
Duodenum	straw	Positive	outgrowth of neurons	3.25E-06	131	
	Rice					
Duodenum	straw	Positive	Lymphocyte homeostasis	3.31E-06	170	
	Rice					
Duodenum	straw	Positive	proliferation of myeloid cells	3.46E-06	46	
	Rice					
Duodenum	straw	Positive	female genital tract cancer	3.48E-06	916	
	Rice					
Duodenum	straw	Positive	abnormal morphology of skull	3.70E-06	76	
	Rice					
Duodenum	straw	Positive	size of embryo	3.73E-06	116	
	Rice					
Duodenum	straw	Positive	leukocyte migration	3.76E-06	260	
	Rice					
Duodenum	straw	Positive	formation of actin stress fibers	3.76E-06	82	
	Rice					
Duodenum	straw	Positive	proliferation of epidermal cells	3.76E-06	61	
	Rice					
Duodenum	straw	Positive	apoptosis of cerebral cortex cells	4.03E-06	42	
	Rice					
Duodenum	straw	Positive	abnormal morphology of skin	4.04E-06	83	
	Rice					
Duodenum	straw	Positive	endothelial cell development	4.04E-06	115	
	Rice					
Duodenum	straw	Positive	migration of fibroblasts	4.08E-06	53	
	Rice					
Duodenum	straw	Positive	autophagy	4.15E-06	121	
	Rice					
Duodenum	straw	Positive	metabolism of nucleoside triphosphate	4.15E-06	52	
	Rice					
Duodenum	straw	Positive	formation of cellular protrusions	4.18E-06	268	
Duodenum	Rice	Positive	liver tumor	4.26E-06	1157	

	straw				
	Rice				
Duodenum	straw	Positive	cell movement of leukocytes	4.27E-06	231
	Rice				
Duodenum	straw	Positive	cell death of pheochromocytoma cell lines	4.27E-06	46
	Rice				
Duodenum	straw	Positive	Hypoplasia	4.27E-06	158
	Rice		metabolism of nucleic acid component or		
Duodenum	straw	Positive	derivative	4.27E-06	162
	Rice				
Duodenum	straw	Positive	proliferation of lymphocytes	4.27E-06	220
	Rice				
Duodenum	straw	Positive	formation of lymphoid organ	4.33E-06	89
	Rice				
Duodenum	straw	Positive	formation of lymphatic system component	4.36E-06	97
	Rice				
Duodenum	straw	Positive	ossification of bone	4.46E-06	56
	Rice				
Duodenum	straw	Positive	proliferation of smooth muscle cells	4.51E-06	95
	Rice				
Duodenum	straw	Positive	homeostasis of leukocytes	4.51E-06	172
	Rice		abnormal morphology of vascular endothelial		
Duodenum	straw	Positive	cells	4.54E-06	21
	Rice				
Duodenum	straw	Positive	apoptosis of brain	4.57E-06	55
	Rice				
Duodenum	straw	Positive	proliferation of dermal cells	4.75E-06	63
	Rice				
Duodenum	straw	Positive	cell death of skin	4.82E-06	41
	Rice				
Duodenum	straw	Positive	fibrogenesis	5.33E-06	131
	Rice				
Duodenum	straw	Positive	generation of cells	5.38E-06	88
	Rice				
Duodenum	straw	Positive	hypersensitive reaction	5.64E-06	136
	Rice				
Duodenum	straw	Positive	size of bone	5.85E-06	92
	Rice				
Duodenum	straw	Positive	demyelination of spinal cord	6.10E-06	17
	Rice				
Duodenum	straw	Positive	uptake of carbohydrate	6.19E-06	96
	Rice				
Duodenum	straw	Positive	concentration of lipid	6.22E-06	242
Duodenum	Rice	Positive	dysmyelination	6.52E-06	50

	straw				
	Rice				
Duodenum	straw	Positive	degeneration of central nervous system	6.63E-06	49
	Rice				
Duodenum	straw	Positive	vascularization	6.64E-06	80
	Rice				
Duodenum	straw	Positive	cell death of epidermal cells	6.82E-06	37
	Rice				
Duodenum	straw	Positive	development of myeloid cells	6.82E-06	37
	Rice				
Duodenum	straw	Positive	immune response of cells	6.82E-06	176
	Rice				
Duodenum	straw	Positive	autosomal dominant disease	6.85E-06	194
	Rice				
Duodenum	straw	Positive	seizures	6.87E-06	127
	Rice				
Duodenum	straw	Positive	cell death of liver cells	7.10E-06	68
	Rice				
Duodenum	straw	Positive	Encephalitis	7.26E-06	97
	Rice				
Duodenum	straw	Positive	differentiation of muscle cell lines	7.32E-06	58
	Rice				
Duodenum	straw	Positive	advanced malignant tumor	7.35E-06	251
	Rice				
Duodenum	straw	Positive	apoptosis of liver	7.66E-06	57
	Rice				
Duodenum	straw	Positive	uterine tumor	7.72E-06	860
	Rice				
Duodenum	straw	Positive	maturation of cells	7.83E-06	143
	Rice				
Duodenum	straw	Positive	cell death of central nervous system cells	7.83E-06	96
	Rice				
Duodenum	straw	Positive	cell death of muscle	7.83E-06	111
	Rice				
Duodenum	straw	Positive	attachment of cells	7.88E-06	50
	Rice				
Duodenum	straw	Positive	autophagy of cells	7.97E-06	88
	Rice				
Duodenum	straw	Positive	abnormal morphology of endothelial tissue	8.01E-06	28
	Rice				
Duodenum	straw	Positive	morphogenesis of neurons	8.07E-06	134
	Rice				
Duodenum	straw	Positive	apoptosis of connective tissue cells	8.07E-06	97
Duodenum	Rice	Positive	apoptosis of dermal cells	8.25E-06	36

	straw				
	Rice				
Duodenum	straw	Positive	metabolism of carbohydrate	8.26E-06	189
	Rice				
Duodenum	straw	Positive	proliferation of bone marrow cells	8.26E-06	45
	Rice				
Duodenum	straw	Positive	differentiation of leukocytes	8.91E-06	203
	Rice				
Duodenum	straw	Positive	apoptosis of brain cells	9.13E-06	52
	Rice				
Duodenum	straw	Positive	congenital anomaly of cardiovascular system	9.44E-06	77
	Rice				
Duodenum	straw	Positive	adhesion of immune cells	1.01E-05	112
	Rice				
Duodenum	straw	Positive	outgrowth of cells	1.01E-05	136
	Rice				
Duodenum	straw	Positive	cell death of muscle cells	1.02E-05	108
	Rice				
Duodenum	straw	Positive	epilepsy	1.02E-05	100
	Rice				
Duodenum	straw	Positive	cell death of keratinocytes	1.02E-05	35
	Rice				
Duodenum	straw	Positive	cell death of smooth muscle cells	1.04E-05	43
	Rice				
Duodenum	straw	Positive	demyelination	1.04E-05	45
	Rice				
Duodenum	straw	Positive	necrosis of muscle	1.06E-05	110
	Rice				
Duodenum	straw	Positive	survival of organism	1.07E-05	211
	Rice				
Duodenum	straw	Positive	production of protein	1.08E-05	106
	Rice				
Duodenum	straw	Positive	binding of T lymphocytes	1.12E-05	30
	Rice				
Duodenum	straw	Positive	cytopenia	1.17E-05	97
	Rice				
Duodenum	straw	Positive	tumorigenesis of genital organ	1.18E-05	1041
	Rice				
Duodenum	straw	Positive	metabolism of nucleotide	1.22E-05	137
	Rice				
Duodenum	straw	Positive	cell death of gonadal cell lines	1.29E-05	31
	Rice				
Duodenum	straw	Positive	quantity of hematopoietic cells	1.37E-05	138
Duodenum	Rice	Positive	hypoplasia of organ	1.37E-05	139

	straw				
	Rice				
Duodenum	straw	Positive	formation of muscle	1.37E-05	125
	Rice				
Duodenum	straw	Positive	morphogenesis of neurites	1.45E-05	131
	Rice				
Duodenum	straw	Positive	homing of cells	1.50E-05	170
	Rice				
Duodenum	straw	Positive	morphology of mouth	1.52E-05	49
	Rice				
Duodenum	straw	Positive	formation of filaments	1.53E-05	125
	Rice				
Duodenum	straw	Positive	morphology of heart ventricle	1.54E-05	66
	Rice				
Duodenum	straw	Positive	quantity of glycosphingolipid	1.58E-05	38
	Rice				
Duodenum	straw	Positive	morphology of blood vessel	1.62E-05	92
	Rice				
Duodenum	straw	Positive	activation of blood cells	1.62E-05	222
	Rice				
Duodenum	straw	Positive	development of head	1.68E-05	285
	Rice				
Duodenum	straw	Positive	morphology of skeleton	1.77E-05	91
	Rice				
Duodenum	straw	Positive	dyskinesia	1.77E-05	186
	Rice				
Duodenum	straw	Positive	uptake of monosaccharide	1.77E-05	88
	Rice				
Duodenum	straw	Positive	aggregation of blood cells	1.80E-05	78
	Rice				
Duodenum	straw	Positive	quantity of hematopoietic progenitor cells	1.80E-05	137
	Rice				
Duodenum	straw	Positive	polyarticular juvenile rheumatoid arthritis	1.80E-05	35
	Rice				
Duodenum	straw	Positive	growth of tumor	1.80E-05	235
	Rice				
Duodenum	straw	Positive	coagulation	1.80E-05	66
	Rice				
Duodenum	straw	Positive	aggregation of cells	1.83E-05	104
	Rice				
Duodenum	straw	Positive	arrest in proliferation of cells	1.85E-05	72
	Rice				
Duodenum	straw	Positive	metastasis	1.87E-05	225
Duodenum	Rice	Positive	function of myeloid cells	1.89E-05	79

	straw					
	Rice					
Duodenum	straw	Positive	cell movement of endothelial cells	1.93E-05	112	
	Rice					
Duodenum	straw	Positive	cell death of leukemia cell lines	1.95E-05	102	
	Rice					
Duodenum	straw	Positive	formation of actin filaments	1.95E-05	98	
	Rice					
Duodenum	straw	Positive	growth of skin	1.97E-05	73	
	Rice					
Duodenum	straw	Positive	morphology of digestive system	1.99E-05	173	
	Rice					
Duodenum	straw	Positive	apoptosis of neuroblastoma cell lines	2.02E-05	45	
	Rice					
Duodenum	straw	Positive	engulfment of cells	2.06E-05	127	
	Rice					
Duodenum	straw	Positive	apoptosis of liver cells	2.08E-05	55	
	Rice					
Duodenum	straw	Positive	endometrial carcinoma	2.09E-05	727	
	Rice					
Duodenum	straw	Positive	migration of vascular endothelial cells	2.11E-05	58	
	Rice					
Duodenum	straw	Positive	cell death of brain	2.18E-05	94	
	Rice					
Duodenum	straw	Positive	apoptosis of epidermal cells	2.21E-05	34	
	Rice					
Duodenum	straw	Positive	arthritis	2.33E-05	272	
	Rice					
Duodenum	straw	Positive	interphase of connective tissue cells	2.36E-05	31	
	Rice					
Duodenum	straw	Positive	quantity of granulocytes	2.38E-05	101	
	Rice					
Duodenum	straw	Positive	differentiation of blood cells	2.38E-05	247	
	Rice					
Duodenum	straw	Positive	abnormal morphology of digestive system	2.52E-05	165	
	Rice					
Duodenum	straw	Positive	epileptic seizure	2.53E-05	58	
	Rice					
Duodenum	straw	Positive	abnormal morphology of skeleton	2.54E-05	88	
	Rice					
Duodenum	straw	Positive	endometrioid carcinoma	2.54E-05	720	
	Rice					
Duodenum	straw	Positive	development of phagocytes	2.55E-05	32	
Duodenum	Rice	Positive	adhesion of blood cells	2.55E-05	118	

	straw				
	Rice				
Duodenum	straw	Positive	interphase of fibroblasts	2.56E-05	29
	Rice				
Duodenum	straw	Positive	homing	2.73E-05	173
	Rice				
Duodenum	straw	Positive	movement of vascular endothelial cells	2.73E-05	62
	Rice				
Duodenum	straw	Positive	morphology of lymphatic system component	2.77E-05	129
	Rice				
Duodenum	straw	Positive	proliferation of hematopoietic cell lines	2.80E-05	74
	Rice				
Duodenum	straw	Positive	development of body axis	2.82E-05	302
	Rice				
Duodenum	straw	Positive	migration of endothelial cells	2.83E-05	104
	Rice				
Duodenum	straw	Positive	quantity of immunoglobulin	2.84E-05	95
	Rice				
Duodenum	straw	Positive	congenital heart disease	2.84E-05	70
	Rice				
Duodenum	straw	Positive	Huntington's Disease	2.94E-05	173
	Rice				
Duodenum	straw	Positive	abnormal morphology of blood vessel	3.00E-05	86
	Rice				
Duodenum	straw	Positive	morphology of genital organ	3.06E-05	131
	Rice				
Duodenum	straw	Positive	proliferation of T lymphocytes	3.14E-05	181
	Rice				
Duodenum	straw	Positive	genital tract cancer	3.25E-05	1027
	Rice				
Duodenum	straw	Positive	proliferation of epithelial cells	3.27E-05	150
	Rice				
Duodenum	straw	Positive	metabolism of sphingolipid	3.29E-05	49
	Rice				
Duodenum	straw	Positive	quantity of antigen presenting cells	3.37E-05	89
	Rice				
Duodenum	straw	Positive	apoptosis of keratinocytes	3.39E-05	32
	Rice				
Duodenum	straw	Positive	quantity of carbohydrate	3.39E-05	157
	Rice				
Duodenum	straw	Positive	uptake of D-glucose	3.48E-05	73
	Rice				
Duodenum	straw	Positive	arthropathy	3.48E-05	275
Duodenum	Rice	Positive	synthesis of ceramide	3.50E-05	29

	straw				
	Rice				
Duodenum	straw	Positive	cell death of neuroblastoma cell lines	3.53E-05	65
	Rice				
Duodenum	straw	Positive	development of hematopoietic system	3.53E-05	81
	Rice				
Duodenum	straw	Positive	multiple congenital anomalies	3.67E-05	130
	Rice				
Duodenum	straw	Positive	apoptosis of fibroblasts	3.76E-05	72
	Rice				
Duodenum	straw	Positive	abnormal morphology of snout	3.76E-05	27
	Rice				
Duodenum	straw	Positive	growth of liver	3.80E-05	64
	Rice				
Duodenum	straw	Positive	development of neurons	3.81E-05	229
	Rice				
Duodenum	straw	Positive	apoptosis of pheochromocytoma cell lines	3.88E-05	35
	Rice				
Duodenum	straw	Positive	recruitment of myeloid cells	3.88E-05	75
	Rice				
Duodenum	straw	Positive	quantity of myeloid cells	4.39E-05	111
	Rice				
Duodenum	straw	Positive	recruitment of phagocytes	4.43E-05	80
	Rice				
Duodenum	straw	Positive	apoptosis of cervical cancer cell lines	4.44E-05	90
	Rice				
Duodenum	straw	Positive	neurological signs	4.46E-05	193
	Rice				
Duodenum	straw	Positive	activation of leukocytes	4.46E-05	206
	Rice				
Duodenum	straw	Positive	cell death of cerebral cortex cells	4.48E-05	75
	Rice				
Duodenum	straw	Positive	I-kappaB kinase/NF-kappaB cascade	4.60E-05	59
	Rice				
Duodenum	straw	Positive	transformation of fibroblast cell lines	5.06E-05	83
	Rice				
Duodenum	straw	Positive	branching of neurons	5.20E-05	91
	Rice				
Duodenum	straw	Positive	transmigration of cells	5.41E-05	54
	Rice				
Duodenum	straw	Positive	infection by Retroviridae	5.46E-05	211
	Rice				
Duodenum	straw	Positive	paraproteinemia	5.61E-05	105
Duodenum	Rice	Positive	proliferation of liver cells	5.68E-05	63

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	Rice				
Duodenum	straw	Positive	cell death of hematopoietic cells	5.78E-05	77
	Rice				
Duodenum	straw	Positive	chronic inflammatory disorder	5.79E-05	279
	Rice				
Duodenum	straw	Positive	cell death of heart cells	5.82E-05	72
	Rice				
Duodenum	straw	Positive	uterine cancer	5.83E-05	810
	Rice				
Duodenum	straw	Positive	cell death of brain cells	5.83E-05	87
	Rice				
Duodenum	straw	Positive	cell spreading	6.03E-05	88
	Rice				
Duodenum	straw	Positive	development of genitourinary system	6.05E-05	256
	Rice				
Duodenum	straw	Positive	recruitment of neutrophils	6.07E-05	62
	Rice				
Duodenum	straw	Positive	apoptosis of epithelial cell lines	6.11E-05	73
	Rice				
Duodenum	straw	Positive	production of antibody	6.11E-05	98
	Rice				
Duodenum	straw	Positive	function of lymphocytes	6.26E-05	106
	Rice				
Duodenum	straw	Positive	adenocarcinoma in endometrium	6.26E-05	713
	Rice				
Duodenum	straw	Positive	adjuvant arthritis	6.39E-05	17
	Rice				
Duodenum	straw	Positive	cell death of heart	6.39E-05	74
	Rice				
Duodenum	straw	Positive	cell death of hematopoietic progenitor cells	6.39E-05	74
	Rice				
Duodenum	straw	Positive	abnormal morphology of genital organ	6.39E-05	125
	Rice				
Duodenum	straw	Positive	quantity of metal	6.39E-05	150
	Rice				
Duodenum	straw	Positive	congenital malformation of skeleton	6.39E-05	129
	Rice				
Duodenum	straw	Positive	adhesion of tumor cell lines	6.45E-05	91
	Rice				
Duodenum	straw	Positive	abnormal morphology of body wall	6.56E-05	38
	Rice				
Duodenum	straw	Positive	branching of neurites	6.68E-05	88
Duodenum	Rice	Positive	consumption of oxygen	6.68E-05	53

	straw				
	Rice				
Duodenum	straw	Positive	growth of lymphoid organ	6.76E-05	58
	Rice				
Duodenum	straw	Positive	export of molecule	6.76E-05	93
	Rice				
Duodenum	straw	Positive	cellular infiltration by leukocytes	6.86E-05	119
	Rice				
Duodenum	straw	Positive	fatty acid metabolism	6.86E-05	178
	Rice				
Duodenum	straw	Positive	cellular infiltration	6.91E-05	133
	Rice				
Duodenum	straw	Positive	function of phagocytes	7.22E-05	96
	Rice				
Duodenum	straw	Positive	fragmentation of DNA	7.22E-05	57
	Rice				
Duodenum	straw	Positive	synthesis of nucleotide	7.24E-05	112
	Rice				
Duodenum	straw	Positive	quantity of IgM	7.27E-05	48
	Rice				
Duodenum	straw	Positive	recruitment of antigen presenting cells	7.33E-05	43
	Rice				
Duodenum	straw	Positive	development of abdomen	7.42E-05	172
	Rice				
Duodenum	straw	Positive	cell death of stem cells	7.59E-05	32
	Rice				
Duodenum	straw	Positive	migration of myeloid cells	7.70E-05	56
	Rice				
Duodenum	straw	Positive	encephalomyelitis	7.85E-05	82
	Rice				
Duodenum	straw	Positive	gonadal tumor	7.86E-05	237
	Rice				
Duodenum	straw	Positive	activation of lymphocytes	8.05E-05	139
	Rice				
Duodenum	straw	Positive	binding of lymphocytes	8.17E-05	35
	Rice				
Duodenum	straw	Positive	plasma cell dyscrasia	8.17E-05	104
	Rice				
Duodenum	straw	Positive	secretion of molecule	8.18E-05	164
	Rice				
Duodenum	straw	Positive	length of cells	8.18E-05	37
	Rice				
Duodenum	straw	Positive	DNA replication	8.19E-05	80
Duodenum	Rice	Positive	cell death of hepatoma cell lines	8.42E-05	57

	straw				
	Rice				
Duodenum	straw	Positive	cell death of epithelial cell lines	8.57E-05	89
	Rice				
Duodenum	straw	Positive	long-term potentiation	8.60E-05	78
	Rice				
Duodenum	straw	Positive	Inflammatory Bowel Disease	8.83E-05	82
	Rice				
Duodenum	straw	Positive	blood protein disorder	8.93E-05	115
	Rice				
Duodenum	straw	Positive	differentiation of T lymphocytes	8.96E-05	116
	Rice				
Duodenum	straw	Positive	proliferation of cervical cancer cell lines	9.16E-05	66
	Rice				
Duodenum	straw	Positive	binding of leukocytes	9.32E-05	60
	Rice				
Duodenum	straw	Positive	adhesion of mononuclear leukocytes	9.36E-05	50
	Rice				
Duodenum	straw	Positive	death of perinatal stage organism	9.45E-05	31
	Rice				
Duodenum	straw	Positive	infection by lentivirus	9.52E-05	208
	Rice				
Duodenum	straw	Positive	chemotaxis of cells	9.55E-05	157
	Rice				
Duodenum	straw	Positive	interphase of tumor cell lines	9.69E-05	113
	Rice				
Duodenum	straw	Positive	cell movement of carcinoma cell lines	9.69E-05	67
	Rice				
Duodenum	straw	Positive	quantity of epithelial tissue	9.98E-05	59
	Rice				
Duodenum	straw	Positive	apoptosis of hematopoietic cells	9.98E-05	70
	Rice				
Duodenum	straw	Positive	release of metal	9.98E-05	70
	Rice				
Duodenum	straw	Positive	replication of RNA virus	1.01E-04	151
	Rice				
Duodenum	straw	Positive	biosynthesis of purine ribonucleotide	1.02E-04	37
	Rice				
Duodenum	straw	Positive	cell death of myeloma cell lines	1.02E-04	35
	Rice				
Duodenum	straw	Positive	metabolism of glycosphingolipid	1.04E-04	44
	Rice				
Duodenum	straw	Positive	apoptosis of neutrophils	1.04E-04	25
Duodenum	Rice	Positive	hemorrhagic disease	1.04E-04	80

	straw				
	Rice				
Duodenum	straw	Positive	proliferation of leukocyte cell lines	1.04E-04	66
	Rice				
Duodenum	straw	Positive	neuritogenesis	1.06E-04	172
	Rice				
Duodenum	straw	Positive	apoptosis of myeloid cells	1.07E-04	62
	Rice				
Duodenum	straw	Positive	peripheral vascular disease	1.07E-04	116
	Rice				
Duodenum	straw	Positive	cell movement of lymphocytes	1.08E-04	120
	Rice				
Duodenum	straw	Positive	HIV infection	1.09E-04	207
	Rice				
Duodenum	straw	Positive	apoptosis of hematopoietic progenitor cells	1.10E-04	67
	Rice				
Duodenum	straw	Positive	cell death of embryonic cells	1.16E-04	41
	Rice				
Duodenum	straw	Positive	accumulation of lipid	1.16E-04	93
	Rice				
Duodenum	straw	Positive	migration of granulocytes	1.17E-04	49
	Rice				
Duodenum	straw	Positive	urogenital cancer	1.18E-04	1164
	Rice				
Duodenum	straw	Positive	morphology of lymphoid organ	1.18E-04	119
	Rice				
Duodenum	straw	Positive	quantity of double-positive thymocyte	1.19E-04	40
	Rice				
Duodenum	straw	Positive	function of heart	1.19E-04	74
	Rice				
Duodenum	straw	Positive	targeting of protein	1.19E-04	45
	Rice				
Duodenum	straw	Positive	experimental autoimmune encephalomyelitis	1.20E-04	81
	Rice				
Duodenum	straw	Positive	cell death of cardiomyocytes	1.23E-04	69
	Rice				
Duodenum	straw	Positive	recruitment of macrophages	1.24E-04	38
	Rice				
Duodenum	straw	Positive	damage of nervous system	1.24E-04	72
	Rice				
Duodenum	straw	Positive	morphology of vessel component	1.25E-04	24
	Rice				
Duodenum	straw	Positive	bleeding of brain	1.27E-04	27
Duodenum	Rice	Positive	condensation of chromatin	1.27E-04	27

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	Rice				
Duodenum	straw	Positive	morphology of vascular endothelial cells	1.27E-04	22
	Rice				
Duodenum	straw	Positive	cell death of granulocytes	1.27E-04	34
	Rice				
Duodenum	straw	Positive	synthesis of ATP	1.27E-04	34
	Rice				
Duodenum	straw	Positive	female genital tract serous cancer	1.27E-04	117
	Rice				
Duodenum	straw	Negative	malignant solid tumor	4.51E-16	1605
	Rice				
Duodenum	straw	Negative	cell movement	1.83E-15	409
	Rice				
Duodenum	straw	Negative	cancer	2.00E-15	1617
	Rice				
Duodenum	straw	Negative	proliferation of cells	2.00E-15	643
	Rice				
Duodenum	straw	Negative	morphology of cells	2.71E-15	378
	Rice				
Duodenum	straw	Negative	cell death	7.97E-15	587
	Rice				
Duodenum	straw	Negative	organization of cytoskeleton	1.62E-14	286
	Rice				
Duodenum	straw	Negative	epithelial cancer	5.77E-14	1342
	Rice				
Duodenum	straw	Negative	migration of cells	8.80E-14	364
	Rice				
Duodenum	straw	Negative	organization of cytoplasm	8.80E-14	305
	Rice				
Duodenum	straw	Negative	abdominal neoplasm	1.12E-13	1342
	Rice				
Duodenum	straw	Negative	tumorigenesis of tissue	1.25E-13	1370
	Rice				
Duodenum	straw	Negative	neoplasia of epithelial tissue	1.41E-13	1350
	Rice				
Duodenum	straw	Negative	apoptosis	2.28E-12	470
	Rice				
Duodenum	straw	Negative	microtubule dynamics	2.59E-12	242
	Rice				
Duodenum	straw	Negative	organismal death	4.30E-12	431
	Rice				
Duodenum	straw	Negative	abdominal cancer	8.49E-12	1317
Duodenum	Rice	Negative	necrosis	8.51E-12	456

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	Rice				
Duodenum	straw	Negative	morbidity or mortality	2.30E-11	432
	Rice				
Duodenum	straw	Negative	development of neurons	1.23E-10	168
	Rice				
Duodenum	straw	Negative	digestive organ tumor	1.72E-10	1159
	Rice				
Duodenum	straw	Negative	formation of cellular protrusions	1.72E-10	188
	Rice				
Duodenum	straw	Negative	digestive system cancer	1.85E-10	1149
	Rice				
Duodenum	straw	Negative	perinatal death	3.96E-10	133
	Rice				
Duodenum	straw	Negative	transcription of RNA	9.58E-10	337
	Rice				
Duodenum	straw	Negative	transcription	9.58E-10	358
	Rice				
Duodenum	straw	Negative	differentiation of cells	1.31E-09	396
	Rice				
Duodenum	straw	Negative	Movement Disorders	1.61E-09	210
	Rice				
Duodenum	straw	Negative	transcription of DNA	2.47E-09	285
	Rice				
Duodenum	straw	Negative	abnormal morphology of cells	4.85E-09	241
	Rice				
Duodenum	straw	Negative	expression of RNA	4.85E-09	377
	Rice				
Duodenum	straw	Negative	size of body	6.57E-09	173
	Rice				
Duodenum	straw	Negative	angiogenesis	7.92E-09	182
	Rice				
Duodenum	straw	Negative	disorder of basal ganglia	1.04E-08	158
	Rice				
Duodenum	straw	Negative	cell movement of tumor cell lines	1.21E-08	172
	Rice				
Duodenum	straw	Negative	transport of molecule	1.30E-08	293
	Rice				
Duodenum	straw	Negative	development of vasculature	1.56E-08	96
	Rice				
Duodenum	straw	Negative	abnormal morphology of thoracic cavity	1.68E-08	126
	Rice				
Duodenum	straw	Negative	dyskinesia	2.01E-08	131
Duodenum	Rice	Negative	morphology of nervous system	2.87E-08	159

	straw				
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Duodenum	straw	Negative	cell movement of fibroblasts	4.85E-08	50
	Rice				
Duodenum	straw	Negative	development of epithelial tissue	5.19E-08	112
	Rice				
Duodenum	straw	Negative	neuritogenesis	8.07E-08	123
	Rice				
Duodenum	straw	Negative	formation of plasma membrane projections	9.87E-08	125
	Rice				
Duodenum	straw	Negative	cell movement of connective tissue cells	9.93E-08	57
	Rice				
Duodenum	straw	Negative	neurological signs	1.27E-07	134
	Rice				
Duodenum	straw	Negative	Huntington's Disease	2.14E-07	120
	Rice				
Duodenum	straw	Negative	cell death of tumor cell lines	2.26E-07	273
	Rice				
Duodenum	straw	Negative	neonatal death	2.43E-07	96
	Rice				
Duodenum	straw	Negative	cellular homeostasis	4.00E-07	271
	Rice				
Duodenum	straw	Negative	neuronal cell death	4.48E-07	137
	Rice				
Duodenum	straw	Negative	congenital anomaly of musculoskeletal system	4.88E-07	146
	Rice				
Duodenum	straw	Negative	migration of tumor cell lines	5.01E-07	141
	Rice				
Duodenum	straw	Negative	vasculogenesis	5.04E-07	146
	Rice				
Duodenum	straw	Negative	abnormal morphology of nervous system	9.12E-07	143
	Rice				
Duodenum	straw	Negative	morphology of respiratory system	1.04E-06	71
	Rice				
Duodenum	straw	Negative	abnormal morphology of respiratory system	1.21E-06	70
	Rice				
Duodenum	straw	Negative	activation of DNA endogenous promoter	1.41E-06	220
	Rice				
Duodenum	straw	Negative	apoptosis of tumor cell lines	1.41E-06	220
	Rice				
Duodenum	straw	Negative	neuromuscular disease	1.46E-06	168
	Rice				
Duodenum	straw	Negative	proliferation of neuronal cells	1.46E-06	117
Duodenum	Rice	Negative	morphology of cardiovascular system	1.84E-06	124

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	Rice				
Duodenum	straw	Negative	migration of connective tissue cells	1.84E-06	46
	Rice				
Duodenum	straw	Negative	proliferation of connective tissue cells	2.44E-06	119
	Rice				
Duodenum	straw	Negative	morphology of muscle	2.84E-06	74
	Rice				
Duodenum	straw	Negative	transport of carbohydrate	3.04E-06	48
	Rice				
Duodenum	straw	Negative	small GTPase mediated signal transduction	3.30E-06	46
	Rice				
Duodenum	straw	Negative	abnormal morphology of cardiovascular system	3.60E-06	114
	Rice				
Duodenum	straw	Negative	development of body trunk	3.67E-06	203
	Rice				
Duodenum	straw	Negative	chemotaxis of cells	3.87E-06	107
	Rice				
Duodenum	straw	Negative	transport of monosaccharide	3.90E-06	41
	Rice				
Duodenum	straw	Negative	transport of D-glucose	4.18E-06	38
	Rice				
Duodenum	straw	Negative	cognition	4.99E-06	94
	Rice				
Duodenum	straw	Negative	formation of muscle	5.04E-06	84
	Rice				
Duodenum	straw	Negative	protein kinase cascade	6.02E-06	88
	Rice				
Duodenum	straw	Negative	differentiation of connective tissue	6.07E-06	140
	Rice				
Duodenum	straw	Negative	binding of DNA	6.35E-06	105
	Rice				
Duodenum	straw	Negative	cell survival	6.35E-06	244
	Rice				
Duodenum	straw	Negative	chemotaxis	6.53E-06	109
	Rice				
Duodenum	straw	Negative	development of connective tissue	6.53E-06	79
	Rice				
Duodenum	straw	Negative	homing of cells	7.07E-06	111
	Rice				
Duodenum	straw	Negative	cell movement of carcinoma cell lines	8.02E-06	49
	Rice				
Duodenum	straw	Negative	branching of cells	1.10E-05	78
Duodenum	Rice	Negative	development of cytoplasm	1.10E-05	94

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	Rice				
Duodenum	straw	Negative	cell viability	1.31E-05	228
	Rice				
Duodenum	straw	Negative	differentiation of connective tissue cells	1.39E-05	124
	Rice				
Duodenum	straw	Negative	learning	1.39E-05	86
	Rice				
Duodenum	straw	Negative	formation of skin	1.52E-05	77
	Rice				
Duodenum	straw	Negative	growth of connective tissue	1.55E-05	124
	Rice				
Duodenum	straw	Negative	transactivation	1.55E-05	113
	Rice				
Duodenum	straw	Negative	homing	1.83E-05	112
	Rice				
Duodenum	straw	Negative	colony formation of cells	2.07E-05	98
	Rice				
Duodenum	straw	Negative	multiple congenital anomalies	2.19E-05	86
	Rice				
Duodenum	straw	Negative	formation of cytoskeleton	2.27E-05	78
	Rice				
Duodenum	straw	Negative	phosphorylation of protein	2.42E-05	138
	Rice				
Duodenum	straw	Negative	differentiation of epithelial tissue	2.42E-05	75
	Rice				
Duodenum	straw	Negative	migration of fibroblasts	2.67E-05	36
	Rice				
Duodenum	straw	Negative	development of head	2.69E-05	177
	Rice				
Duodenum	straw	Negative	development of body axis	2.72E-05	188
	Rice				
Duodenum	straw	Negative	morphogenesis of neurons	2.86E-05	86
	Rice				
Duodenum	straw	Negative	cell transformation	2.98E-05	92
	Rice				
Duodenum	straw	Negative	invasion of cells	3.00E-05	159
	Rice				
Duodenum	straw	Negative	morphology of head	3.00E-05	160
	Rice				
Duodenum	straw	Negative	migration of carcinoma cell lines	3.05E-05	41
	Rice				
Duodenum	straw	Negative	morphology of bone	3.24E-05	90
Duodenum	Rice	Negative	apoptosis of fibroblast cell lines	3.33E-05	69

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	Rice				
Duodenum	straw	Negative	morphology of heart	4.28E-05	82
	Rice				
Duodenum	straw	Negative	behavior	4.28E-05	177
	Rice				
Duodenum	straw	Negative	proliferation of muscle cells	4.43E-05	76
	Rice				
Duodenum	straw	Negative	morphology of central nervous system	4.70E-05	100
	Rice				
Duodenum	straw	Negative	abnormal morphology of head	4.80E-05	152
	Rice				
Duodenum	straw	Negative	transactivation of RNA	4.82E-05	105
	Rice				
Duodenum	straw	Negative	abnormal morphology of body cavity	5.17E-05	200
	Rice				
Duodenum	straw	Negative	formation of actin filaments	6.27E-05	64
	Rice				
Duodenum	straw	Negative	sprouting	6.41E-05	78
	Rice				
Duodenum	straw	Negative	midline defect	6.89E-05	57
	Rice				
Duodenum	straw	Negative	binding of protein binding site	6.99E-05	61
	Rice				
Duodenum	straw	Negative	breast or colorectal cancer	6.99E-05	758
	Rice				
Duodenum	straw	Negative	cell death of connective tissue cells	7.11E-05	114
	Rice				
Duodenum	straw	Negative	colony formation	7.37E-05	103
	Rice				
Duodenum	straw	Negative	morphology of fibroblast cell lines	7.48E-05	24
	Rice				
Duodenum	straw	Negative	synthesis of lipid	7.48E-05	132
	Rice				
Duodenum	straw	Negative	proliferation of hepatoma cell lines	7.60E-05	45
	Rice				
Duodenum	straw	Negative	formation of lung	7.63E-05	63
	Rice				
Duodenum	straw	Negative	proliferation of tumor cell lines	7.69E-05	260
	Rice		epithelial-mesenchymal transition of tumor cell		
Duodenum	straw	Negative	lines	7.79E-05	29
	Rice				
Duodenum	straw	Negative	respiratory system development	7.87E-05	70
Duodenum	Rice	Negative	abnormal morphology of vasculature	7.87E-05	38

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	Rice				
Duodenum	straw	Negative	morphology of vasculature	7.87E-05	39
	Rice				
Duodenum	straw	Negative	abnormal morphology of epithelial tissue	7.87E-05	83
	Rice				
Duodenum	straw	Negative	morphogenesis of neurites	7.87E-05	83
	Rice				
Duodenum	straw	Negative	differentiation of epithelial cells	8.13E-05	65
	Rice				
Duodenum	straw	Negative	cartilage development	8.24E-05	35
	Rice				
Duodenum	straw	Negative	formation of actin stress fibers	9.20E-05	52
	Rice				
Duodenum	straw	Negative	growth of neurites	9.44E-05	90
	Rice				
Duodenum	straw	Negative	morphology of body cavity	1.01E-04	206
	Rice				
Duodenum	straw	Negative	growth of embryonic tissue	1.02E-04	58
	Rice				
Duodenum	straw	Negative	transformation of fibroblast cell lines	1.02E-04	55
	Rice				
Duodenum	straw	Negative	abnormal morphology of muscle	1.13E-04	65
	Rice				
Duodenum	straw	Negative	function of cardiovascular system	1.19E-04	74
	Rice				
Duodenum	straw	Negative	abnormal morphology of pulmonary alveolus	1.23E-04	29
	Rice				
Duodenum	straw	Negative	Growth Failure	1.24E-04	112
	Rice				
Duodenum	straw	Negative	growth of epithelial tissue	1.37E-04	125
	Rice				
Duodenum	straw	Negative	abnormal morphology of heart	1.44E-04	76
	Rice				
Duodenum	straw	Negative	abdominal adenocarcinoma	1.55E-04	886
	Rice				
Duodenum	straw	Negative	morphology of lung	1.74E-04	42
	Rice				
Duodenum	straw	Negative	abnormal morphology of lung	1.78E-04	41
	Rice				
Duodenum	straw	Negative	proliferation of dermal cells	1.81E-04	40
	Rice				
Duodenum	straw	Negative	formation of filaments	1.85E-04	78
Duodenum	Rice	Negative	outgrowth of neurites	1.95E-04	79

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	Rice				
Duodenum	straw	Negative	cell movement of phagocytes	1.96E-04	103
	Rice				
Duodenum	straw	Negative	morphology of neuroglia	1.96E-04	29
	Rice				
Duodenum	straw	Negative	colony formation of tumor cell lines	2.01E-04	57
	Rice				
Duodenum	straw	Negative	oxidation of fatty acid	2.04E-04	39
	Rice				
Duodenum	straw	Negative	cell movement of fibroblast cell lines	2.05E-04	38
	Rice				
Duodenum	straw	Negative	apoptosis of neuroblastoma cell lines	2.05E-04	30
	Rice				
Duodenum	straw	Negative	fibrogenesis	2.12E-04	80
	Rice				
Duodenum	straw	Negative	abnormal morphology of bone	2.36E-04	84
	Rice				
Duodenum	straw	Negative	cell spreading	2.36E-04	57
	Rice				
Duodenum	straw	Negative	proliferation of cervical cancer cell lines	2.41E-04	44
	Rice				
Duodenum	straw	Negative	cell movement of breast cancer cell lines	2.60E-04	59
	Rice				
Duodenum	straw	Negative	quantity of connective tissue cells	2.60E-04	50
	Rice				
Duodenum	straw	Negative	formation of embryonic tissue	2.60E-04	60
	Rice				
Duodenum	straw	Negative	metabolism of carbohydrate	2.60E-04	114
	Rice				
Duodenum	straw	Negative	organization of actin cytoskeleton	2.60E-04	61
	Rice				
Duodenum	straw	Negative	gastrointestinal tract cancer	2.61E-04	764
	Rice				
Duodenum	straw	Negative	transport of protein	2.82E-04	61
	Rice				
Duodenum	straw	Negative	axonogenesis	2.89E-04	48
	Rice				
Duodenum	straw	Negative	Gastrointestinal Tract Cancer and Tumors	2.94E-04	775
	Rice				
Duodenum	straw	Negative	morphology of right ventricle	3.00E-04	17
	Rice				
Duodenum	straw	Negative	differentiation of muscle	3.00E-04	61
Duodenum	Rice	Negative	outgrowth of cells	3.00E-04	83

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	Rice					
Duodenum	straw	Negative	degeneration of cells	3.11E-04	68	
	Rice					
Duodenum	straw	Negative	retraction of cellular protrusions	3.16E-04	22	
	Rice					
Duodenum	straw	Negative	concentration of fatty acid	3.16E-04	57	
	Rice					
Duodenum	straw	Negative	adenocarcinoma	3.20E-04	965	
	Rice					
Duodenum	straw	Negative	development of lymphatic system	3.20E-04	70	
	Rice					
Duodenum	straw	Negative	development of embryonic cells	3.33E-04	18	
	Rice					
Duodenum	straw	Negative	abnormal morphology of interalveolar septa	3.38E-04	14	
	Rice					
Duodenum	straw	Negative	cell death of neuroblastoma cell lines	3.38E-04	42	
	Rice					
Duodenum	straw	Negative	morphology of brain	3.43E-04	88	
	Rice					
Duodenum	straw	Negative	development of cardiovascular tissue	3.53E-04	72	
	Rice					
Duodenum	straw	Negative	cell death of epithelial cells	3.66E-04	93	
	Rice					
Duodenum	straw	Negative	Bleeding	3.71E-04	81	
	Rice					
Duodenum	straw	Negative	cell movement of myeloid cells	3.71E-04	100	
	Rice					
Duodenum	straw	Negative	proliferation of cancer cells	3.82E-04	71	
	Rice					
Duodenum	straw	Negative	growth of lesion	3.90E-04	141	
	Rice					
Duodenum	straw	Negative	gastrointestinal carcinoma	4.03E-04	687	
	Rice					
Duodenum	straw	Negative	growth of skin	4.08E-04	46	
	Rice					
Duodenum	straw	Negative	development of digestive system	4.08E-04	74	
	Rice					
Duodenum	straw	Negative	endothelial cell development	4.19E-04	69	
	Rice					
Duodenum	straw	Negative	morphology of blood vessel	4.21E-04	57	
	Rice					
Duodenum	straw	Negative	Organ Degeneration	4.42E-04	92	
Duodenum	Rice	Negative	morphology of vessel	4.56E-04	61	

	straw				
	Rice				
Duodenum	straw	Negative	exocytosis	4.71E-04	41
	Rice				
Duodenum	straw	Negative	congenital anomaly of digestive system	4.73E-04	48
	Rice				
Duodenum	straw	Negative	hyperplasia of skin	5.17E-04	31
	Rice				
Duodenum	straw	Negative	growth of embryo	5.20E-04	89
	Rice				
Duodenum	straw	Negative	growth of tumor	5.24E-04	140
	Rice				
Duodenum	straw	Negative	Rho protein signal transduction	5.25E-04	22
	Rice				
Duodenum	straw	Negative	cell viability of cerebral cortex cells	5.29E-04	19
	Rice				
Duodenum	straw	Negative	differentiation of bone	5.37E-04	78
	Rice				
Duodenum	straw	Negative	congenital malformation of skeleton	5.38E-04	80
	Rice				
Duodenum	straw	Negative	secretory pathway	5.40E-04	42
	Rice				
Duodenum	straw	Negative	mitosis	5.40E-04	92
	Rice				
Duodenum	straw	Negative	proliferation of smooth muscle cells	5.67E-04	57
	Rice				
Duodenum	straw	Negative	proliferation of fibroblast cell lines	5.67E-04	80
	Rice				
Duodenum	straw	Negative	colon cancer	5.73E-04	567
	Rice				
Duodenum	straw	Negative	proliferation of epidermal cells	5.87E-04	37
	Rice				
Duodenum	straw	Negative	invasion of carcinoma cell lines	5.87E-04	42
	Rice				
Duodenum	straw	Negative	morphology of connective tissue	5.87E-04	86
	Rice				
Duodenum	straw	Negative	colon tumor	5.87E-04	570
	Rice				
Duodenum	straw	Negative	abnormal morphology of neuroglia	6.05E-04	22
	Rice				
Duodenum	straw	Negative	cellularity	6.05E-04	18
	Rice				
Duodenum	straw	Negative	proliferation of embryonic cell lines	6.11E-04	35
Duodenum	Rice	Negative	cell cycle progression	6.22E-04	178

	straw					
	Rice					
Duodenum	straw	Negative	abnormal morphology of embryonic tissue	6.25E-04	100	
	Rice					
Duodenum	straw	Negative	tubulation of cells	6.25E-04	33	
	Rice					
Duodenum	straw	Negative	scattering	6.28E-04	24	
	Rice					
Duodenum	straw	Negative	differentiation of bone cells	6.34E-04	77	
	Rice					
Duodenum	straw	Negative	proliferation of epithelial cells	6.35E-04	91	
	Rice					
Duodenum	straw	Negative	proliferation of fibroblasts	6.44E-04	68	
	Rice					
Duodenum	straw	Negative	abdominal carcinoma	6.58E-04	890	
	Rice					
Duodenum	straw	Negative	colorectal neoplasia	6.61E-04	658	
	Rice					
Duodenum	straw	Negative	quantity of carbohydrate	6.73E-04	95	
	Rice					
Duodenum	straw	Negative	proliferation of keratinocytes	6.80E-04	34	
	Rice					
Duodenum	straw	Negative	abnormal morphology of right ventricle	6.89E-04	15	
	Rice					
Duodenum	straw	Negative	development of endothelial tissue	6.98E-04	70	
	Rice					
Duodenum	straw	Negative	proliferation of tumor cells	7.25E-04	87	
	Rice					
Duodenum	straw	Negative	cell death of fibroblast cell lines	7.25E-04	80	
	Rice					
Duodenum	straw	Negative	cell death of epithelial cell lines	7.27E-04	56	
	Rice					
Duodenum	straw	Negative	differentiation of neural precursor cells	7.29E-04	12	
	Rice					
Duodenum	straw	Negative	cell movement of lung cancer cell lines	7.33E-04	27	
	Rice					
Duodenum	straw	Negative	fatty acid metabolism	7.45E-04	108	
	Rice					
Duodenum	straw	Negative	differentiation of tumor cell lines	7.45E-04	72	
	Rice					
Duodenum	straw	Negative	abnormal morphology of body wall	7.63E-04	25	
	Rice					
Duodenum	straw	Negative	necrosis of epithelial tissue	7.67E-04	106	
Duodenum	Rice	Negative	cell movement of blood cells	7.67E-04	151	

	straw				
	Rice				
Duodenum	straw	Negative	abnormal morphology of blood vessel	7.67E-04	53
	Rice		abnormal morphology of central nervous		
Duodenum	straw	Negative	system	7.73E-04	89
	Rice				
Duodenum	straw	Negative	morphology of cardiovascular tissue	7.99E-04	22
	Rice				
Duodenum	straw	Negative	mass of connective tissue	8.02E-04	42
	Rice				
Duodenum	straw	Negative	craniofacial abnormality	8.04E-04	68
	Rice				
Duodenum	straw	Negative	differentiation of embryonic tissue	8.15E-04	51
	Rice				
Duodenum	straw	Negative	formation of focal adhesions	8.18E-04	34
	Rice				
Duodenum	straw	Negative	apoptosis of neurons	8.60E-04	81
	Rice				
Duodenum	straw	Negative	proliferation of embryonic cells	8.77E-04	50
	Rice				
Duodenum	straw	Negative	maturation of chondrocytes	9.06E-04	11
	Rice				
Duodenum	straw	Negative	metabolism of membrane lipid derivative	9.16E-04	73
	Rice				
Duodenum	straw	Negative	cell viability of cortical neurons	9.35E-04	14
	Rice				
Duodenum	straw	Negative	quantity of cells	9.44E-04	283
	Rice				
Duodenum	straw	Negative	development of abdomen	9.51E-04	104
	Rice				
Duodenum	straw	Negative	migration of blood cells	9.63E-04	150
	Rice				
Duodenum	straw	Negative	formation of muscle cells	9.70E-04	38
	Rice				
Duodenum	straw	Negative	morphology of endothelial tissue	9.76E-04	21
	Rice				
Duodenum	straw	Negative	quantity of bone cells	9.80E-04	35
	Rice				
Duodenum	straw	Negative	morphology of endothelial cells	1.01E-03	17
	Rice				
Duodenum	straw	Negative	I-kappaB kinase/NF-kappaB cascade	1.01E-03	37
	Rice				
Duodenum	straw	Negative	colorectal cancer	1.05E-03	647
Duodenum	Rice	Negative	migration of fibroblast cell lines	1.09E-03	30

	straw				
	Rice				
Duodenum	straw	Negative	cell viability of tumor cell lines	1.10E-03	135
	Rice				
Duodenum	straw	Negative	scattering of cells	1.22E-03	20
	Rice				
Duodenum	straw	Negative	invasion of tumor cell lines	1.22E-03	117
	Rice				
Duodenum	straw	Negative	hypoglycemia	1.22E-03	27
	Rice				
Duodenum	straw	Negative	tubulation of endothelial cells	1.22E-03	27
	Rice				
Duodenum	straw	Negative	growth of malignant tumor	1.24E-03	80
	Rice				
Duodenum	straw	Negative	leukocyte migration	1.27E-03	149
	Rice				
Duodenum	straw	Negative	quantity of connective tissue	1.27E-03	107
	Rice				
Duodenum	straw	Negative	congenital malformation of face	1.29E-03	33
	Rice				
Duodenum	straw	Negative	synthesis of polysaccharide	1.29E-03	38
	Rice				
Duodenum	straw	Negative	Viral Infection	1.32E-03	259
	Rice				
Duodenum	straw	Negative	cytostasis	1.37E-03	55
	Rice				
Duodenum	straw	Negative	branching of neurites	1.37E-03	54
	Rice				
Duodenum	straw	Negative	heart rate	1.37E-03	54
	Rice				
Duodenum	straw	Negative	quantity of muscle	1.38E-03	29
	Rice				
Duodenum	straw	Negative	apoptosis of connective tissue cells	1.43E-03	57
	Rice				
Duodenum	straw	Negative	apoptosis of epithelial cell lines	1.44E-03	45
	Rice				
Duodenum	straw	Negative	quantity of diacylglycerol	1.45E-03	16
	Rice				
Duodenum	straw	Negative	cell movement of hepatoma cell lines	1.45E-03	22
	Rice				
Duodenum	straw	Negative	shape change of fibroblast cell lines	1.45E-03	22
	Rice				
Duodenum	straw	Negative	vascularization	1.45E-03	47
Duodenum	Rice	Negative	uptake of fatty acid	1.45E-03	19

	straw				
	Rice				
Duodenum	straw	Negative	migration of muscle cells	1.45E-03	35
	Rice				
Duodenum	straw	Negative	morphology of muscle cells	1.45E-03	35
	Rice				
Duodenum	straw	Negative	growth of organism	1.47E-03	143
	Rice				
Duodenum	straw	Negative	bleeding of brain	1.47E-03	18
	Rice				
Duodenum	straw	Negative	uptake of carbohydrate	1.51E-03	56
	Rice				
Duodenum	straw	Negative	synthesis of carbohydrate	1.51E-03	78
	Rice				
Duodenum	straw	Negative	colorectal carcinoma	1.52E-03	562
	Rice				
Duodenum	straw	Negative	shape change of neurites	1.52E-03	55
	Rice				
Duodenum	straw	Negative	development of lymphatic system component	1.54E-03	59
	Rice				
Duodenum	straw	Negative	cell death of brain	1.62E-03	56
	Rice				
Duodenum	straw	Negative	development of urinary tract	1.64E-03	55
	Rice				
Duodenum	straw	Negative	damage of central nervous system	1.74E-03	39
	Rice				
Duodenum	straw	Negative	shape change of neurons	1.74E-03	56
	Rice				
Duodenum	straw	Negative	branching of neurons	1.76E-03	55
	Rice				
Duodenum	straw	Negative	retraction of plasma membrane projections	1.76E-03	18
	Rice				
Duodenum	straw	Negative	abnormal morphology of endothelial tissue	1.77E-03	17
	Rice				
Duodenum	straw	Negative	abnormal morphology of brain	1.78E-03	81
	Rice				
Duodenum	straw	Negative	abnormality of respiratory system	1.79E-03	21
	Rice				
Duodenum	straw	Negative	differentiation of neurons	1.79E-03	76
	Rice				
Duodenum	straw	Negative	development of gastrointestinal tract	1.80E-03	51
	Rice				
Duodenum	straw	Negative	exocytosis by cells	1.92E-03	28
Duodenum	Rice	Negative	morphology of skeletal muscle	1.92E-03	28

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	Rice					
Duodenum	straw	Negative	keratosis	1.92E-03	27	
	Rice					
Duodenum	straw	Negative	schizophrenia spectrum disorder	1.97E-03	81	
	Rice					
Duodenum	straw	Negative	Schizophrenia	1.97E-03	78	
	Rice					
Duodenum	straw	Negative	differentiation of muscle cell lines	2.00E-03	34	
	Rice					
Duodenum	straw	Negative	formation of lamellipodia	2.00E-03	34	
	Rice					
Duodenum	straw	Negative	differentiation of muscle cells	2.02E-03	54	
	Rice					
Duodenum	straw	Negative	morphology of neurons	2.03E-03	77	
	Rice					
Duodenum	straw	Negative	reorganization of cytoskeleton	2.03E-03	39	
	Rice					
Duodenum	straw	Negative	cycling of centrosome	2.06E-03	21	
	Rice					
Duodenum	straw	Negative	strength of muscle	2.06E-03	18	
	Rice					
Duodenum	straw	Negative	migration of breast cancer cell lines	2.08E-03	48	
	Rice					
Duodenum	straw	Negative	iris coloboma	2.08E-03	5	
	Rice					
Duodenum	straw	Negative	lack of salivary gland	2.08E-03	5	
	Rice					
Duodenum	straw	Negative	concentration of lipid	2.10E-03	138	
	Rice					
Duodenum	straw	Negative	differentiation of nervous system	2.12E-03	89	
	Rice					
Duodenum	straw	Negative	quantity of bone	2.25E-03	48	
	Rice					
Duodenum	straw	Negative	scattering of tumor cell lines	2.26E-03	11	
	Rice					
Duodenum	straw	Negative	cell movement of muscle cells	2.26E-03	37	
	Rice					
Duodenum	straw	Negative	morphology of nervous tissue	2.31E-03	79	
	Rice					
Duodenum	straw	Negative	hypertrophy of cardiomyocytes	2.33E-03	29	
	Rice					
Duodenum	straw	Negative	cell death of B-lymphocyte derived cell lines	2.38E-03	28	
Duodenum	Rice	Negative	cell death of cerebral cortex cells	2.40E-03	45	

	straw				
	Rice				
Duodenum	straw	Negative	quantity of muscle cells	2.40E-03	26
	Rice				
Duodenum	straw	Negative	maturation of cells	2.40E-03	82
	Rice				
Duodenum	straw	Negative	apoptosis of skin	2.51E-03	22
	Rice				
Duodenum	straw	Negative	morphology of central nervous system cells	2.53E-03	30
	Rice				
Duodenum	straw	Negative	migration of embryonic cell lines	2.56E-03	20
	Rice				
Duodenum	straw	Negative	morphology of mouth	2.60E-03	29
	Rice				
Duodenum	straw	Negative	abnormal morphology of axial skeleton	2.61E-03	39
	Rice				
Duodenum	straw	Negative	dysgenesis	2.64E-03	95
	Rice				
Duodenum	straw	Negative	cell movement of neutrophils	2.70E-03	56
	Rice				
Duodenum	straw	Negative	damage of brain	2.70E-03	37
	Rice				
Duodenum	straw	Negative	gastrointestinal adenocarcinoma	2.77E-03	639
	Rice				
Duodenum	straw	Negative	dendritic growth/branching	2.77E-03	43
	Rice				
Duodenum	straw	Negative	apoptosis of tumor cells	2.78E-03	54
	Rice				
Duodenum	straw	Negative	proliferation of hematopoietic progenitor cells	2.78E-03	47
	Rice				
Duodenum	straw	Negative	formation of kidney	2.81E-03	53
	Rice				
Duodenum	straw	Negative	morphology of skeleton	2.81E-03	53
	Rice				
Duodenum	straw	Negative	quantity of centrosome	2.84E-03	14
	Rice				
Duodenum	straw	Negative	morphology of axial skeleton	2.87E-03	40
	Rice				
Duodenum	straw	Negative	epithelial-mesenchymal transition	2.90E-03	41
	Rice				
Duodenum	straw	Negative	size of head	2.90E-03	41
	Rice				
Duodenum	straw	Negative	morphology of second branchial arch	2.92E-03	10
Duodenum	Rice	Negative	cell death of stem cells	2.92E-03	20

	straw				
	Rice				
Duodenum	straw	Negative	metabolism of polysaccharide	2.97E-03	46
	Rice				
Duodenum	straw	Negative	apoptosis of cerebral cortex cells	2.98E-03	24
	Rice				
Duodenum	straw	Negative	oscillation of Ca ²⁺	2.98E-03	16
	Rice				
Duodenum	straw	Negative	hyperplasia of epidermis	2.99E-03	25
	Rice				
Duodenum	straw	Negative	weight gain	3.08E-03	58
	Rice				
Duodenum	straw	Negative	cell movement of leukocytes	3.12E-03	130
	Rice				
Duodenum	straw	Negative	shape change of tumor cell lines	3.12E-03	32
	Rice				
Duodenum	straw	Negative	cell death of heart cells	3.17E-03	43
	Rice				
Duodenum	straw	Negative	Hypoplasia	3.17E-03	89
	Rice				
Duodenum	straw	Negative	uptake of monosaccharide	3.27E-03	51
	Rice				
Duodenum	straw	Negative	ubiquitination	3.34E-03	62
	Rice				
Duodenum	straw	Negative	cell death of neuroglia	3.35E-03	26
	Rice				
Duodenum	straw	Negative	anoikis	3.37E-03	25
	Rice				
Duodenum	straw	Negative	peripheral vascular disease	3.37E-03	69
	Rice				
Duodenum	straw	Negative	binding of DNA fragment	3.48E-03	17
	Rice				
Duodenum	straw	Negative	separation of mitotic centrosome	3.56E-03	4
	Rice				
Duodenum	straw	Negative	apoptosis of neuroglia	3.56E-03	21
	Rice				
Duodenum	straw	Negative	neurodegeneration of cerebral cortex	3.57E-03	15
	Rice				
Duodenum	straw	Negative	ubiquitination of protein	3.63E-03	61
	Rice				
Duodenum	straw	Negative	colorectal adenocarcinoma	3.67E-03	542
	Rice				
Duodenum	straw	Negative	development of sensory organ	3.67E-03	98
Duodenum	Rice	Negative	cell death of heart	3.67E-03	44

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	Rice				
Duodenum	straw	Negative	skin abnormality	3.67E-03	44
	Rice				
Duodenum	straw	Negative	morphogenesis of epithelial tissue	3.77E-03	32
	Rice				
Duodenum	straw	Negative	morphology of rib	3.88E-03	18
	Rice				
Duodenum	straw	Negative	growth of cartilage tissue	3.88E-03	20
	Rice				
Duodenum	straw	Negative	muscular hypertrophy	3.91E-03	40
	Rice				
Duodenum	straw	Negative	abnormal morphology of dilated right ventricle	3.94E-03	10
	Rice				
Duodenum	straw	Negative	limb development	3.94E-03	45
	Rice				
Duodenum	straw	Negative	abnormal morphology of skeleton	3.96E-03	51
	Rice				
Duodenum	straw	Negative	closure of embryonic tissue	4.12E-03	30
	Rice				
Duodenum	straw	Negative	hypertrophy of heart cells	4.14E-03	32
	Rice				
Duodenum	straw	Negative	cell viability of fibroblast cell lines	4.25E-03	25
	Rice				
Duodenum	straw	Negative	secretion of alpha granules	4.31E-03	6
	Rice				
Duodenum	straw	Negative	abnormal morphology of neurons	4.31E-03	68
	Rice				
Duodenum	straw	Negative	formation of thymus gland	4.31E-03	33
	Rice				
Duodenum	straw	Negative	autosomal dominant disease	4.31E-03	109
	Rice				
Duodenum	straw	Negative	abnormal morphology of artery	4.31E-03	31
	Rice				
Duodenum	straw	Negative	differentiation of keratinocytes	4.31E-03	31
	Rice				
Duodenum	straw	Negative	closure of neural tube	4.40E-03	28
	Rice				
Duodenum	straw	Negative	cardiogenesis	4.41E-03	83
	Rice				
Duodenum	straw	Negative	cell death of tumor cells	4.41E-03	67
	Rice				
Duodenum	straw	Negative	tubulation of vascular endothelial cells	4.41E-03	20
Duodenum	Rice	Negative	metastatic colorectal cancer	4.42E-03	38

	straw				
	Rice				
Duodenum	straw	Negative	cell death of brain cells	4.48E-03	51
	Rice		abnormal morphology of vascular endothelial		
Duodenum	straw	Negative	cells	4.48E-03	12
	Rice				
Duodenum	straw	Negative	concentration of Ca ²⁺	4.48E-03	27
	Rice				
Duodenum	straw	Negative	hepatocellular carcinoma	4.54E-03	624
	Rice				
Duodenum	straw	Negative	sensory system development	4.73E-03	24
	Rice				
Duodenum	straw	Negative	cell death of skin	4.73E-03	23
	Rice				
Duodenum	straw	Negative	abnormal morphology of rib	4.74E-03	17
	Rice				
Duodenum	straw	Negative	cell death of muscle cells	4.74E-03	61
	Rice				
Duodenum	straw	Negative	GATA2 deficiency	4.74E-03	7
	Rice				
Duodenum	straw	Negative	cell death of central nervous system cells	4.74E-03	54
	Rice				
Duodenum	straw	Negative	migration of hepatoma cell lines	4.74E-03	19
	Rice				
Duodenum	straw	Negative	proliferation of chondrocytes	4.74E-03	19
	Rice				
Duodenum	straw	Negative	cell death of hepatoma cell lines	4.74E-03	34
	Rice				
Duodenum	straw	Negative	proliferation of epithelial cell lines	4.80E-03	44
	Rice				
Duodenum	straw	Negative	damage of nervous system	4.80E-03	43
	Rice				
Duodenum	straw	Negative	morphology of skull	4.80E-03	43
	Rice				
Duodenum	straw	Negative	function of endothelial cells	4.81E-03	13
	Rice				
Duodenum	straw	Negative	synthesis of phospholipid	4.84E-03	35
	Rice				
Duodenum	straw	Negative	differentiation of epidermal cells	5.01E-03	33
	Rice				
Duodenum	straw	Negative	hyperplasia of tissue	5.12E-03	38
	Rice				
Duodenum	straw	Negative	frequency of head and neck tumor	5.14E-03	5
Duodenum	Rice	Negative	long-term potentiation of granule cells	5.14E-03	5

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	Rice				
Duodenum	straw	Negative	necrosis of tumor	5.16E-03	68
	Rice				
Duodenum	straw	Negative	abnormal morphology of skull	5.16E-03	42
	Rice				
Duodenum	straw	Negative	oxidation of lipid	5.16E-03	41
	Rice				
Duodenum	straw	Negative	binding of endothelial cells	5.22E-03	23
	Rice				
Duodenum	straw	Negative	formation of cells	5.22E-03	161
	Rice				
Duodenum	straw	Negative	dyspnea	5.22E-03	28
	Rice				
Duodenum	straw	Negative	autophagy	5.31E-03	67
	Rice				
Duodenum	straw	Negative	mass of adipose tissue	5.43E-03	37
	Rice				
Duodenum	straw	Negative	apoptosis of B-lymphocyte derived cell lines	5.60E-03	26
	Rice				
Duodenum	straw	Negative	papilloma	5.60E-03	26
	Rice				
Duodenum	straw	Negative	Edema	5.64E-03	62
	Rice				
Duodenum	straw	Negative	cell death of muscle	5.64E-03	62
	Rice				
Duodenum	straw	Negative	quantity of epithelial tissue	5.71E-03	35
	Rice				
Duodenum	straw	Negative	engulfment of cells	5.72E-03	72
	Rice				
Duodenum	straw	Negative	grip strength	5.72E-03	16
	Rice				
Duodenum	straw	Negative	cytostasis of tumor cell lines	5.73E-03	32
	Rice				
Duodenum	straw	Negative	migration of lung cancer cell lines	5.77E-03	21
	Rice				
Duodenum	straw	Negative	cell movement of cancer cells	5.80E-03	30
	Rice				
Duodenum	straw	Negative	benign neoplasia	5.84E-03	152
	Rice				
Duodenum	straw	Negative	atelectasis	5.84E-03	18
	Rice				
Duodenum	straw	Negative	oral cancer	5.87E-03	43
Duodenum	Rice	Negative	fusion of cellular membrane	5.88E-03	15

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	Rice				
Duodenum	straw	Negative	chemotaxis of phagocytes	5.90E-03	54
	Rice				
Duodenum	straw	Negative	targeting of protein	5.92E-03	27
	Rice				
Duodenum	straw	Negative	dilation of heart ventricle	5.92E-03	14
	Rice				
Duodenum	straw	Negative	abnormal morphology of skeletal muscle	6.14E-03	26
	Rice				
Duodenum	straw	Negative	hepatobiliary system cancer	6.20E-03	644
	Rice				
Duodenum	straw	Negative	cell movement of tumor cells	6.20E-03	36
	Rice				
Duodenum	straw	Negative	formation of epidermis	6.20E-03	36
	Rice				
Duodenum	straw	Negative	metabolism of phospholipid	6.20E-03	44
	Rice				
Duodenum	straw	Negative	respiratory failure	6.28E-03	25
	Rice				
Duodenum	straw	Negative	migration of smooth muscle cells	6.30E-03	30
	Rice				
Duodenum	straw	Negative	cell viability of central nervous system cells	6.41E-03	24
	Rice				
Duodenum	straw	Negative	smooth muscle tumor	6.45E-03	55
	Rice				
Duodenum	straw	Negative	length of cells	6.52E-03	22
	Rice				
Duodenum	straw	Negative	mass of organism	6.61E-03	60
	Rice				
Duodenum	straw	Negative	long-term memory	6.62E-03	16
	Rice				
Duodenum	straw	Negative	retraction of neurites	6.62E-03	16
	Rice				
Duodenum	straw	Negative	Neurodegeneration	6.62E-03	56
	Rice				
Duodenum	straw	Negative	differentiation of brain	6.67E-03	18
	Rice				
Duodenum	straw	Negative	cell movement of smooth muscle cells	6.73E-03	32
	Rice				
Duodenum	straw	Negative	morphology of skin	6.83E-03	50
	Rice				
Duodenum	straw	Negative	morphology of astrocytes	7.09E-03	13
Duodenum	Rice	Negative	cell viability of osteoblasts	7.19E-03	7

	straw				
	Rice				
Duodenum	straw	Negative	apoptosis of dermal cells	7.24E-03	20
	Rice				
Duodenum	straw	Negative	abnormal morphology of fornix	7.25E-03	6
	Rice		metabolism of nucleic acid component or		
Duodenum	straw	Negative	derivative	7.25E-03	89
	Rice				
Duodenum	straw	Negative	cell movement of embryonic cell lines	7.25E-03	23
	Rice				
Duodenum	straw	Negative	cell viability of brain cells	7.30E-03	21
	Rice				
Duodenum	straw	Negative	MAPKKK cascade	7.32E-03	39
	Rice				
Duodenum	straw	Negative	liver tumor	7.67E-03	644
	Rice				
Duodenum	straw	Negative	cell death of cortical neurons	7.69E-03	34
	Rice				
Duodenum	straw	Negative	chondrogenesis	7.73E-03	11
	Rice				
Duodenum	straw	Negative	cell death of pheochromocytoma cell lines	7.73E-03	25
	Rice				
Duodenum	straw	Negative	fusion of muscle cells	7.73E-03	16
	Rice				
Duodenum	straw	Negative	invasion of fibroblast cell lines	7.73E-03	16
	Rice				
Duodenum	straw	Negative	differentiation of skin	7.73E-03	35
	Rice				
Duodenum	straw	Negative	proliferation of endothelial cells	7.85E-03	56
	Rice				
Duodenum	straw	Negative	muscle tumor	7.90E-03	64
	Rice				
Duodenum	straw	Negative	neovascularization	7.98E-03	32
	Rice				
Duodenum	straw	Negative	apoptosis of muscle	8.05E-03	48
	Rice				
Duodenum	straw	Negative	ruffling	8.08E-03	23
	Rice				
Duodenum	straw	Negative	seizure disorder	8.22E-03	81
	Rice				
Duodenum	straw	Negative	degeneration of nervous system	8.28E-03	52
	Rice				
Duodenum	straw	Negative	proliferation of myoblasts	8.30E-03	12
Duodenum	Rice	Negative	differentiation of brain cells	8.35E-03	17

	straw					
	Rice					
Duodenum	straw	Negative	apoptosis of renal glomerulus	8.42E-03	14	
	Rice					
Duodenum	straw	Negative	cell spreading of fibroblast cell lines	8.42E-03	14	
	Rice					
Duodenum	straw	Negative	migration of cancer cells	8.42E-03	37	
	Rice					
Duodenum	straw	Negative	hypertrophy of cardiac muscle	8.42E-03	31	
	Rice					
Duodenum	straw	Negative	colon carcinoma	8.45E-03	523	
	Rice					
Duodenum	straw	Negative	apoptosis of glomerular cells	8.45E-03	13	
	Rice					
Duodenum	straw	Negative	hypoactivity of mice	8.62E-03	32	
	Rice					
Duodenum	straw	Negative	hypertrophy of tissue	8.68E-03	47	
	Rice					
Duodenum	straw	Negative	liver cancer	8.75E-03	639	
	Rice					
Duodenum	straw	Negative	abnormal morphology of type II pneumocytes	8.86E-03	9	
	Rice					
Duodenum	straw	Negative	apoptosis of hepatoma cell lines	8.92E-03	30	
	Rice					
Duodenum	straw	Negative	development of antigen presenting cells	8.92E-03	16	
	Rice					
Duodenum	straw	Negative	morphology of joint	8.92E-03	16	
	Rice					
Duodenum	straw	Negative	assembly of protein-protein complex	9.02E-03	36	
	Rice					
Duodenum	straw	Negative	morphology of tumor cell lines	9.02E-03	38	
	Rice					
Duodenum	straw	Negative	cell death of dermal cells	9.16E-03	21	
	Rice					
Duodenum	straw	Negative	export of molecule	9.55E-03	53	
	Rice					
Duodenum	straw	Negative	cell death of cardiomyocytes	9.67E-03	40	
	Rice					
Duodenum	straw	Negative	formation of T lymphocytes	9.76E-03	24	
	Rice					
Duodenum	straw	Negative	apoptosis of heart cells	9.78E-03	36	
	Corn					
Duodenum	stover	Positive	organismal death	2.21E-42	1009	
Duodenum	Corn	Positive	proliferation of cells	3.67E-42	1445	

	stover				
	Corn				
Duodenum	stover	Positive	morbidity or mortality	5.90E-42	1017
	Corn				
Duodenum	stover	Positive	cancer	6.24E-34	3608
	Corn				
Duodenum	stover	Positive	cell death	9.18E-34	1289
	Corn				
Duodenum	stover	Positive	malignant solid tumor	1.64E-32	3563
	Corn				
Duodenum	stover	Positive	necrosis	1.83E-27	1005
	Corn				
Duodenum	stover	Positive	morphology of cells	9.13E-27	789
	Corn				
Duodenum	stover	Positive	apoptosis	1.45E-26	1024
	Corn				
Duodenum	stover	Positive	organization of cytoplasm	1.36E-25	640
	Corn				
Duodenum	stover	Positive	cell movement	5.46E-23	834
	Corn				
Duodenum	stover	Positive	transport of molecule	8.55E-22	652
	Corn				
Duodenum	stover	Positive	organization of cytoskeleton	1.64E-21	575
	Corn				
Duodenum	stover	Positive	expression of RNA	6.98E-21	830
	Corn				
Duodenum	stover	Positive	cellular homeostasis	8.55E-21	616
	Corn				
Duodenum	stover	Positive	migration of cells	6.04E-19	738
	Corn				
Duodenum	stover	Positive	transcription	2.31E-18	766
	Corn				
Duodenum	stover	Positive	transcription of RNA	7.64E-18	717
	Corn				
Duodenum	stover	Positive	differentiation of cells	1.01E-17	848
	Corn				
Duodenum	stover	Positive	size of body	1.17E-17	365
	Corn				
Duodenum	stover	Positive	abdominal neoplasm	1.43E-17	2910
	Corn				
Duodenum	stover	Positive	abnormal morphology of cells	2.73E-17	511
	Corn				
Duodenum	stover	Positive	cell survival	5.06E-17	554
Duodenum	Corn	Positive	microtubule dynamics	5.74E-17	481

	stover Corn				
Duodenum	stover Corn	Positive	neoplasia of epithelial tissue	1.06E-16	2924
Duodenum	stover Corn	Positive	cell movement of tumor cell lines	1.34E-16	361
Duodenum	stover Corn	Positive	tumorigenesis of tissue	1.38E-16	2968
Duodenum	stover Corn	Positive	perinatal death	1.42E-16	265
Duodenum	stover Corn	Positive	epithelial cancer	1.43E-16	2897
Duodenum	stover Corn	Positive	Movement Disorders	2.78E-16	434
Duodenum	stover Corn	Positive	abdominal cancer	6.58E-16	2866
Duodenum	stover Corn	Positive	morphology of cardiovascular system	8.09E-16	272
Duodenum	stover Corn	Positive	angiogenesis	2.20E-15	376
Duodenum	stover Corn	Positive	transcription of DNA	2.61E-15	594
Duodenum	stover Corn	Positive	Viral Infection	2.62E-15	620
Duodenum	stover Corn	Positive	cell death of tumor cell lines	3.37E-15	590
Duodenum	stover Corn	Positive	cell viability	8.25E-15	511
Duodenum	stover Corn	Positive	migration of tumor cell lines	1.33E-14	300
Duodenum	stover Corn	Positive	growth of organism	1.50E-14	347
Duodenum	stover Corn	Positive	quantity of cells	3.79E-14	666
Duodenum	stover Corn	Positive	abnormal morphology of cardiovascular system	5.72E-14	246
Duodenum	stover Corn	Positive	development of body trunk	7.80E-14	443
Duodenum	stover Corn	Positive	vasculogenesis	1.47E-13	307
Duodenum	stover Corn	Positive	apoptosis of tumor cell lines	2.54E-13	473
Duodenum	stover	Positive	proliferation of tumor cell lines	3.11E-13	587
Duodenum	Corn	Positive	development of vasculature	3.15E-13	187

	stover				
	Corn				
Duodenum	stover	Positive	transactivation	3.78E-13	247
	Corn				
Duodenum	stover	Positive	abnormal morphology of thoracic cavity	7.91E-13	249
	Corn				
Duodenum	stover	Positive	disorder of basal ganglia	1.31E-12	314
	Corn				
Duodenum	stover	Positive	transactivation of RNA	1.51E-12	232
	Corn				
Duodenum	stover	Positive	abnormal morphology of body cavity	1.80E-12	445
	Corn				
Duodenum	stover	Positive	digestive system cancer	1.84E-12	2475
	Corn				
Duodenum	stover	Positive	invasion of cells	1.85E-12	350
	Corn				
Duodenum	stover	Positive	formation of cellular protrusions	2.55E-12	361
	Corn				
Duodenum	stover	Positive	digestive organ tumor	3.81E-12	2494
	Corn				
Duodenum	stover	Positive	small GTPase mediated signal transduction	4.13E-12	92
	Corn				
Duodenum	stover	Positive	morphology of body cavity	4.22E-12	461
	Corn				
Duodenum	stover	Positive	neuromuscular disease	4.22E-12	353
	Corn				
Duodenum	stover	Positive	cell death of connective tissue cells	4.43E-12	252
	Corn				
Duodenum	stover	Positive	ubiquitination	4.61E-12	152
	Corn				
Duodenum	stover	Positive	ubiquitination of protein	4.66E-12	150
	Corn				
Duodenum	stover	Positive	protein kinase cascade	5.48E-12	184
	Corn				
Duodenum	stover	Positive	neonatal death	1.95E-11	189
	Corn				
Duodenum	stover	Positive	proliferation of connective tissue cells	3.43E-11	245
	Corn				
Duodenum	stover	Positive	neurological signs	3.82E-11	266
	Corn				
Duodenum	stover	Positive	degeneration of cells	4.18E-11	152
	Corn				
Duodenum	stover	Positive	development of cytoplasm	5.40E-11	196
Duodenum	Corn	Positive	cell viability of tumor cell lines	5.46E-11	311

	stover				
	Corn				
Duodenum	stover	Positive	morphology of nervous system	1.36E-10	311
	Corn				
Duodenum	stover	Positive	growth of connective tissue	1.50E-10	261
	Corn				
Duodenum	stover	Positive	dyskinesia	1.58E-10	251
	Corn				
Duodenum	stover	Positive	cell cycle progression	1.78E-10	402
	Corn				
Duodenum	stover	Positive	neuronal cell death	1.78E-10	274
	Corn				
Duodenum	stover	Positive	morphology of heart	1.93E-10	173
	Corn				
Duodenum	stover	Positive	growth of embryo	2.69E-10	199
	Corn				
Duodenum	stover	Positive	Growth Failure	3.35E-10	243
	Corn				
Duodenum	stover	Positive	formation of cytoskeleton	3.75E-10	161
	Corn				
Duodenum	stover	Positive	behavior	4.74E-10	380
	Corn				
Duodenum	stover	Positive	activation of DNA endogenous promoter	5.02E-10	455
	Corn				
Duodenum	stover	Positive	size of embryo	6.01E-10	153
	Corn				
Duodenum	stover	Positive	Huntington's Disease	6.97E-10	233
	Corn				
Duodenum	stover	Positive	quantity of connective tissue	7.59E-10	243
	Corn				
Duodenum	stover	Positive	fibrogenesis	7.86E-10	173
	Corn				
Duodenum	stover	Positive	abnormal morphology of nervous system	1.03E-09	286
	Corn				
Duodenum	stover	Positive	degeneration of nervous system	1.07E-09	126
	Corn				
Duodenum	stover	Positive	abnormal morphology of heart	1.15E-09	162
	Corn				
Duodenum	stover	Positive	concentration of lipid	1.16E-09	316
	Corn				
Duodenum	stover	Positive	development of connective tissue	1.54E-09	157
	Corn				
Duodenum	stover	Positive	proliferation of neuronal cells	1.55E-09	232
Duodenum	Corn	Positive	metabolism of carbohydrate	1.69E-09	248

	stover				
	Corn				
Duodenum	stover	Positive	benign neoplasia	1.69E-09	355
	Corn				
Duodenum	stover	Positive	seizures	1.99E-09	167
	Corn				
Duodenum	stover	Positive	development of epithelial tissue	2.05E-09	210
	Corn				
Duodenum	stover	Positive	organization of organelle	2.29E-09	218
	Corn				
Duodenum	stover	Positive	differentiation of muscle cell lines	2.73E-09	77
	Corn				
Duodenum	stover	Positive	metabolism of protein	2.98E-09	370
	Corn				
Duodenum	stover	Positive	quantity of blood cells	3.56E-09	388
	Corn				
Duodenum	stover	Positive	morphology of head	3.70E-09	336
	Corn				
Duodenum	stover	Positive	growth of epithelial tissue	4.54E-09	267
	Corn				
Duodenum	stover	Positive	Neurodegeneration	5.81E-09	132
	Corn				
Duodenum	stover	Positive	colony formation of cells	6.46E-09	199
	Corn				
Duodenum	stover	Positive	replication of RNA virus	6.93E-09	204
	Corn				
Duodenum	stover	Positive	development of blood cells	8.75E-09	256
	Corn				
Duodenum	stover	Positive	morphology of connective tissue	9.41E-09	187
	Corn				
Duodenum	stover	Positive	formation of filaments	9.49E-09	164
	Corn				
Duodenum	stover	Positive	invasion of tumor cell lines	1.08E-08	260
	Corn				
Duodenum	stover	Positive	infection by Retroviridae	1.08E-08	279
	Corn				
Duodenum	stover	Positive	seizure disorder	1.13E-08	190
	Corn				
Duodenum	stover	Positive	colony formation	2.03E-08	213
	Corn				
Duodenum	stover	Positive	growth of lesion	2.03E-08	305
	Corn				
Duodenum	stover	Positive	abnormal morphology of head	2.12E-08	317
Duodenum	Corn	Positive	development of body axis	2.15E-08	392

	stover				
	Corn				
Duodenum	stover	Positive	epileptic seizure	2.19E-08	77
	Corn				
Duodenum	stover	Positive	differentiation of connective tissue	2.34E-08	281
	Corn				
Duodenum	stover	Positive	development of abdomen	2.36E-08	228
	Corn				
Duodenum	stover	Positive	growth of tumor	2.45E-08	304
	Corn				
Duodenum	stover	Positive	apoptosis of connective tissue cells	2.45E-08	125
	Corn				
Duodenum	stover	Positive	proliferation of fibroblasts	2.49E-08	146
	Corn				
Duodenum	stover	Positive	Organ Degeneration	2.49E-08	197
	Corn				
Duodenum	stover	Positive	cell death of epithelial cell lines	2.51E-08	120
	Corn				
Duodenum	stover	Positive	quantity of leukocytes	2.56E-08	345
	Corn				
Duodenum	stover	Positive	necrosis of epithelial tissue	2.56E-08	231
	Corn				
Duodenum	stover	Positive	differentiation of tumor cell lines	3.44E-08	155
	Corn				
Duodenum	stover	Positive	morphology of muscle	3.59E-08	139
	Corn				
Duodenum	stover	Positive	metabolism of monosaccharide	4.15E-08	59
	Corn				
Duodenum	stover	Positive	infection by RNA virus	4.25E-08	327
	Corn				
Duodenum	stover	Positive	infection by lentivirus	4.64E-08	274
	Corn				
Duodenum	stover	Positive	concentration of fatty acid	4.72E-08	118
	Corn				
Duodenum	stover	Positive	replication of virus	4.72E-08	220
	Corn				
Duodenum	stover	Positive	degeneration of neurons	4.72E-08	103
	Corn				
Duodenum	stover	Positive	morphology of vessel	4.91E-08	128
	Corn				
Duodenum	stover	Positive	uptake of carbohydrate	4.98E-08	122
	Corn				
Duodenum	stover	Positive	HIV infection	5.05E-08	273
Duodenum	Corn	Positive	growth of muscle tissue	5.74E-08	152

	stover				
	Corn				
Duodenum	stover	Positive	growth of embryonic tissue	5.92E-08	116
	Corn				
Duodenum	stover	Positive	proliferation of muscle cells	6.51E-08	151
	Corn				
Duodenum	stover	Positive	cell death of muscle cells	6.57E-08	138
	Corn				
Duodenum	stover	Positive	infection of cells	6.57E-08	302
	Corn				
Duodenum	stover	Positive	development of leukocytes	6.58E-08	229
	Corn				
Duodenum	stover	Positive	differentiation of connective tissue cells	6.79E-08	248
	Corn				
Duodenum	stover	Positive	mitosis	6.84E-08	196
	Corn				
Duodenum	stover	Positive	cellular degradation	6.98E-08	108
	Corn				
Duodenum	stover	Positive	survival of organism	7.01E-08	269
	Corn				
Duodenum	stover	Positive	function of blood cells	7.26E-08	228
	Corn				
Duodenum	stover	Positive	quantity of lymphocytes	8.66E-08	270
	Corn				
Duodenum	stover	Positive	development of head	9.03E-08	364
	Corn				
Duodenum	stover	Positive	function of leukocytes	9.36E-08	210
	Corn				
Duodenum	stover	Positive	uptake of monosaccharide	1.01E-07	113
	Corn				
Duodenum	stover	Positive	quantity of carbohydrate	1.04E-07	203
	Corn				
Duodenum	stover	Positive	neuritogenesis	1.04E-07	226
	Corn				
Duodenum	stover	Positive	autosomal recessive disease	1.12E-07	343
	Corn				
Duodenum	stover	Positive	outgrowth of plasma membrane projections	1.14E-07	163
	Corn				
Duodenum	stover	Positive	development of neurons	1.28E-07	295
	Corn				
Duodenum	stover	Positive	congenital anomaly of musculoskeletal system	1.30E-07	279
	Corn				
Duodenum	stover	Positive	cell transformation	1.31E-07	182
Duodenum	Corn	Positive	cell death of muscle	1.31E-07	140

	stover				
	Corn				
Duodenum	stover	Positive	growth of plasma membrane projections	1.33E-07	184
	Corn				
Duodenum	stover	Positive	morphology of bone	1.43E-07	178
	Corn				
Duodenum	stover	Positive	secretion of molecule	1.49E-07	214
	Corn				
Duodenum	stover	Positive	long-term potentiation	1.52E-07	103
	Corn				
Duodenum	stover	Positive	necrosis of muscle	1.75E-07	139
	Corn				
Duodenum	stover	Positive	morphology of blood vessel	1.83E-07	117
	Corn				
Duodenum	stover	Positive	learning	1.83E-07	166
	Corn				
Duodenum	stover	Positive	metabolism of nucleic acid component or derivative	1.89E-07	202
	Corn				
Duodenum	stover	Positive	outgrowth of neurites	1.93E-07	161
	Corn				
Duodenum	stover	Positive	cell movement of smooth muscle cells	2.05E-07	72
	Corn				
Duodenum	stover	Positive	abnormal morphology of embryonic tissue	2.12E-07	212
	Corn				
Duodenum	stover	Positive	cell death of fibroblast cell lines	2.18E-07	169
	Corn				
Duodenum	stover	Positive	formation of plasma membrane projections	2.24E-07	229
	Corn				
Duodenum	stover	Positive	synthesis of lipid	2.35E-07	270
	Corn				
Duodenum	stover	Positive	formation of muscle	2.41E-07	158
	Corn				
Duodenum	stover	Positive	growth of neurites	2.85E-07	181
	Corn				
Duodenum	stover	Positive	mass of organism	2.85E-07	135
	Corn				
Duodenum	stover	Positive	development of genitourinary system	2.89E-07	329
	Corn				
Duodenum	stover	Positive	cognition	3.16E-07	178
	Corn				
Duodenum	stover	Positive	accumulation of lipid	3.31E-07	122
	Corn				
Duodenum	stover	Positive	cell death of epithelial cells	3.41E-07	193
Duodenum	Corn	Positive	activation of cells	3.50E-07	359

	stover				
	Corn				
Duodenum	stover	Positive	quantity of mononuclear leukocytes	3.98E-07	276
	Corn				
Duodenum	stover	Positive	cell death of heart cells	4.10E-07	93
	Corn				
Duodenum	stover	Positive	development of mononuclear leukocytes	4.26E-07	214
	Corn				
Duodenum	stover	Positive	quantity of T lymphocytes	4.35E-07	206
	Corn				
Duodenum	stover	Positive	abnormal morphology of abdomen	4.53E-07	324
	Corn				
Duodenum	stover	Positive	apoptosis of muscle	4.58E-07	108
	Corn				
Duodenum	stover	Positive	morphology of respiratory system	4.58E-07	126
	Corn				
Duodenum	stover	Positive	cell death of fibroblasts	4.84E-07	109
	Corn				
Duodenum	stover	Positive	development of lymphocytes	5.38E-07	212
	Corn				
Duodenum	stover	Positive	proliferation of fibroblast cell lines	5.43E-07	166
	Corn				
Duodenum	stover	Positive	abnormal morphology of respiratory system	5.93E-07	124
	Corn				
Duodenum	stover	Positive	migration of smooth muscle cells	6.10E-07	66
	Corn				
Duodenum	stover	Positive	cardiogenesis	6.10E-07	183
	Corn				
Duodenum	stover	Positive	cell movement of muscle cells	6.10E-07	78
	Corn				
Duodenum	stover	Positive	apoptosis of muscle cells	6.15E-07	107
	Corn				
Duodenum	stover	Positive	abnormal morphology of reproductive system	6.16E-07	196
	Corn				
Duodenum	stover	Positive	homing of cells	6.62E-07	213
	Corn				
Duodenum	stover	Positive	morphology of reproductive system	6.83E-07	205
	Corn				
Duodenum	stover	Positive	outgrowth of cells	7.20E-07	169
	Corn				
Duodenum	stover	Positive	infection by HIV-1	7.21E-07	231
	Corn				
Duodenum	stover	Positive	vascularization	7.21E-07	98
Duodenum	Corn	Positive	peripheral vascular disease	7.36E-07	150

	stover				
	Corn				
Duodenum	stover	Positive	development of digestive system	7.46E-07	151
	Corn				
Duodenum	stover	Positive	development of cardiovascular tissue	7.87E-07	146
	Corn				
Duodenum	stover	Positive	dysgenesis	8.49E-07	206
	Corn				
Duodenum	stover	Positive	apoptosis of fibroblast cell lines	8.56E-07	131
	Corn				
Duodenum	stover	Positive	apoptosis of fibroblasts	9.31E-07	91
	Corn				
Duodenum	stover	Positive	formation of actin stress fibers	9.31E-07	99
	Corn				
Duodenum	stover	Positive	differentiation of leukocytes	9.57E-07	252
	Corn				
Duodenum	stover	Positive	abnormal morphology of epithelial tissue	9.99E-07	163
	Corn				
Duodenum	stover	Positive	cell viability of cervical cancer cell lines	9.99E-07	92
	Corn				
Duodenum	stover	Positive	metabolism of nucleotide	1.05E-06	170
	Corn				
Duodenum	stover	Positive	abnormal morphology of blood vessel	1.09E-06	108
	Corn				
Duodenum	stover	Positive	synthesis of carbohydrate	1.16E-06	165
	Corn				
Duodenum	stover	Positive	cell death of sarcoma cell lines	1.16E-06	94
	Corn				
Duodenum	stover	Positive	abnormal morphology of bone	1.18E-06	169
	Corn				
Duodenum	stover	Positive	formation of cells	1.20E-06	357
	Corn				
Duodenum	stover	Positive	proliferation of hematopoietic cells	1.25E-06	104
	Corn				
Duodenum	stover	Positive	function of cardiovascular system	1.36E-06	145
	Corn				
Duodenum	stover	Positive	homing	1.37E-06	217
	Corn				
Duodenum	stover	Positive	cell death of heart	1.40E-06	94
	Corn				
Duodenum	stover	Positive	expression of protein	1.44E-06	134
	Corn				
Duodenum	stover	Positive	apoptosis of heart cells	1.45E-06	80
Duodenum	Corn	Positive	cell death of cervical cancer cell lines	1.58E-06	138

	stover				
	Corn				
Duodenum	stover	Positive	migration of muscle cells	1.58E-06	71
	Corn				
Duodenum	stover	Positive	morphology of muscle cells	1.58E-06	71
	Corn				
Duodenum	stover	Positive	morphology of heart ventricle	1.58E-06	81
	Corn				
Duodenum	stover	Positive	peripheral arterial disease	1.58E-06	88
	Corn				
Duodenum	stover	Positive	endothelial cell development	1.58E-06	139
	Corn				
Duodenum	stover	Positive	development of lymphatic system	1.61E-06	140
	Corn				
Duodenum	stover	Positive	Bleeding	1.64E-06	164
	Corn				
Duodenum	stover	Positive	cell movement of leukocytes	1.65E-06	283
	Corn				
Duodenum	stover	Positive	differentiation of blood cells	1.75E-06	309
	Corn				
Duodenum	stover	Positive	growth of skin	1.83E-06	90
	Corn				
Duodenum	stover	Positive	activation of enzyme	1.90E-06	151
	Corn				
Duodenum	stover	Positive	synthesis of nucleotide	1.91E-06	142
	Corn				
Duodenum	stover	Positive	development of endothelial tissue	1.94E-06	143
	Corn				
Duodenum	stover	Positive	cell movement of myeloid cells	2.28E-06	204
	Corn				
Duodenum	stover	Positive	proliferation of smooth muscle cells	2.30E-06	114
	Corn				
Duodenum	stover	Positive	homeostasis of leukocytes	2.46E-06	209
	Corn				
Duodenum	stover	Positive	synthesis of protein	2.48E-06	171
	Corn				
Duodenum	stover	Positive	morphology of cardiac muscle	2.51E-06	71
	Corn				
Duodenum	stover	Positive	morphology of skin	2.62E-06	109
	Corn				
Duodenum	stover	Positive	secretory pathway	2.62E-06	82
	Corn				
Duodenum	stover	Positive	abnormal morphology of heart ventricle	2.83E-06	74
Duodenum	Corn	Positive	cell death of cardiomyocytes	2.85E-06	88

	stover				
	Corn				
Duodenum	stover	Positive	export of molecule	3.00E-06	117
	Corn				
Duodenum	stover	Positive	Hypoplasia	3.05E-06	191
	Corn				
Duodenum	stover	Positive	Hypertrophy	3.15E-06	180
	Corn				
Duodenum	stover	Positive	advanced malignant tumor	3.25E-06	308
	Corn				
Duodenum	stover	Positive	growth of lymphatic system component	3.32E-06	80
	Corn				
Duodenum	stover	Positive	autophagy	3.48E-06	145
	Corn				
Duodenum	stover	Positive	quantity of lymphatic system component	3.51E-06	146
	Corn				
Duodenum	stover	Positive	sprouting	3.62E-06	149
	Corn				
Duodenum	stover	Positive	proliferation of hematopoietic progenitor cells	3.65E-06	98
	Corn				
Duodenum	stover	Positive	differentiation of embryonic tissue	3.75E-06	102
	Corn				
Duodenum	stover	Positive	cell spreading	3.75E-06	110
	Corn				
Duodenum	stover	Positive	apoptosis of cardiomyocytes	3.79E-06	77
	Corn				
Duodenum	stover	Positive	apoptosis of epithelial cell lines	4.20E-06	91
	Corn				
Duodenum	stover	Positive	abnormal morphology of muscle	4.21E-06	124
	Corn				
Duodenum	stover	Positive	proliferation of epithelial cells	4.34E-06	186
	Corn				
Duodenum	stover	Positive	formation of eye	4.48E-06	167
	Corn				
Duodenum	stover	Positive	cell death of tumor	4.60E-06	147
	Corn				
Duodenum	stover	Positive	Lymphocyte homeostasis	4.80E-06	204
	Corn				
Duodenum	stover	Positive	cell death of cortical neurons	4.87E-06	73
	Corn				
Duodenum	stover	Positive	cell movement of breast cancer cell lines	5.05E-06	114
	Corn				
Duodenum	stover	Positive	cartilage development	5.11E-06	62
Duodenum	Corn	Positive	development of lymphatic system component	5.26E-06	121

	stover Corn				
Duodenum	stover Corn	Positive	T cell development	5.32E-06	189
Duodenum	stover Corn	Positive	interphase	5.50E-06	242
Duodenum	stover Corn	Positive	synthesis of reactive oxygen species	5.51E-06	181
Duodenum	stover Corn	Positive	phosphorylation of protein	5.57E-06	269
Duodenum	stover Corn	Positive	organization of actin cytoskeleton	5.60E-06	118
Duodenum	stover Corn	Positive	necrosis of tumor	5.86E-06	146
Duodenum	stover Corn	Positive	G1 phase	5.99E-06	149
Duodenum	stover Corn	Positive	proliferation of blood cells	6.02E-06	305
Duodenum	stover Corn	Positive	development of sensory organ	6.09E-06	210
Duodenum	stover Corn	Positive	quantity of interleukin	6.18E-06	60
Duodenum	stover Corn	Positive	binding of DNA	6.26E-06	195
Duodenum	stover Corn	Positive	Edema	6.55E-06	133
Duodenum	stover Corn	Positive	quantity of IL-6 in blood	6.57E-06	40
Duodenum	stover Corn	Positive	formation of actin filaments	6.60E-06	119
Duodenum	stover Corn	Positive	abnormal morphology of internal genitalia	6.69E-06	135
Duodenum	stover Corn	Positive	abnormal morphology of left ventricle	6.71E-06	39
Duodenum	stover Corn	Positive	quantity of lymphoid organ	6.71E-06	120
Duodenum	stover Corn	Positive	engulfment of cells	6.86E-06	155
Duodenum	stover Corn	Positive	dephosphorylation of protein	6.86E-06	77
Duodenum	stover Corn	Positive	muscle tumor	6.93E-06	139
Duodenum	stover	Positive	morphology of genital organ	6.93E-06	161
Duodenum	Corn	Positive	migration of breast cancer cell lines	7.00E-06	98

	stover				
	Corn				
Duodenum	stover	Positive	proliferation of embryonic cells	7.33E-06	99
	Corn				
Duodenum	stover	Positive	differentiation of muscle	7.33E-06	118
	Corn				
Duodenum	stover	Positive	metabolism of reactive oxygen species	8.10E-06	187
	Corn				
Duodenum	stover	Positive	cell movement of blood cells	8.43E-06	315
	Corn				
Duodenum	stover	Positive	replication of Influenza virus	8.79E-06	113
	Corn				
Duodenum	stover	Positive	benign neoplasm of female genital organ	8.86E-06	161
	Corn				
Duodenum	stover	Positive	targeting of protein	9.01E-06	56
	Corn				
Duodenum	stover	Positive	cell movement of vascular smooth muscle cells	9.01E-06	50
	Corn				
Duodenum	stover	Positive	production of reactive oxygen species	9.09E-06	140
	Corn				
Duodenum	stover	Positive	morphology of left ventricle	9.12E-06	40
	Corn				
Duodenum	stover	Positive	quantity of thymus gland	9.18E-06	93
	Corn				
Duodenum	stover	Positive	migration of blood cells	9.18E-06	314
	Corn				
Duodenum	stover	Positive	damage of nervous system	9.32E-06	90
	Corn				
Duodenum	stover	Positive	replication of Influenza A virus	9.81E-06	112
	Corn				
Duodenum	stover	Positive	chemotaxis of cells	1.03E-05	196
	Corn				
Duodenum	stover	Positive	homo-oligomerization of protein	1.04E-05	57
	Corn				
Duodenum	stover	Positive	morphology of central nervous system	1.07E-05	191
	Corn				
Duodenum	stover	Positive	quantity of protein in blood	1.09E-05	189
	Corn				
Duodenum	stover	Positive	leukocyte migration	1.10E-05	313
	Corn				
Duodenum	stover	Positive	Oral Cancer and Tumors	1.18E-05	91
	Corn				
Duodenum	stover	Positive	uptake of D-hexose	1.27E-05	89
Duodenum	Corn	Positive	atrophy of muscle	1.28E-05	62

	stover				
	Corn				
Duodenum	stover	Positive	transmembrane potential of mitochondria	1.28E-05	86
	Corn				
Duodenum	stover	Positive	morphology of cardiovascular tissue	1.28E-05	40
	Corn				
Duodenum	stover	Positive	gliosis of brain	1.28E-05	22
	Corn				
Duodenum	stover	Positive	adenocarcinoma	1.28E-05	2109
	Corn				
Duodenum	stover	Positive	development of urinary tract	1.28E-05	111
	Corn				
Duodenum	stover	Positive	memory	1.28E-05	101
	Corn				
Duodenum	stover	Positive	differentiation of epithelial tissue	1.28E-05	137
	Corn				
Duodenum	stover	Positive	arthritis	1.37E-05	334
	Corn				
Duodenum	stover	Positive	release of L-amino acid	1.37E-05	38
	Corn				
Duodenum	stover	Positive	autosomal dominant disease	1.38E-05	233
	Corn				
Duodenum	stover	Positive	contractility of heart	1.49E-05	72
	Corn				
Duodenum	stover	Positive	biosynthesis of nucleoside triphosphate	1.50E-05	47
	Corn				
Duodenum	stover	Positive	cell death of tumor cells	1.50E-05	141
	Corn				
Duodenum	stover	Positive	arthropathy	1.52E-05	339
	Corn				
Duodenum	stover	Positive	migration of carcinoma cell lines	1.52E-05	70
	Corn				
Duodenum	stover	Positive	oral cancer	1.56E-05	90
	Corn				
Duodenum	stover	Positive	cell death of neuroblastoma cell lines	1.59E-05	78
	Corn				
Duodenum	stover	Positive	occlusion of blood vessel	1.59E-05	179
	Corn				
Duodenum	stover	Positive	chemotaxis	1.59E-05	201
	Corn				
Duodenum	stover	Positive	T cell homeostasis	1.59E-05	191
	Corn				
Duodenum	stover	Positive	migration of vascular smooth muscle cells	1.60E-05	46
Duodenum	Corn	Positive	formation of lung	1.63E-05	116

	stover				
	Corn				
Duodenum	stover	Positive	cell viability of central nervous system cells	1.66E-05	49
	Corn				
Duodenum	stover	Positive	dyspnea	1.66E-05	57
	Corn				
Duodenum	stover	Positive	MAPKKK cascade	1.69E-05	82
	Corn				
Duodenum	stover	Positive	quantity of hematopoietic progenitor cells	1.69E-05	165
	Corn				
Duodenum	stover	Positive	apoptosis of neurons	1.69E-05	163
	Corn				
Duodenum	stover	Positive	transmigration of cells	1.73E-05	65
	Corn				
Duodenum	stover	Positive	vaso-occlusion	1.75E-05	178
	Corn				
Duodenum	stover	Positive	proliferation of dermal cells	1.77E-05	72
	Corn				
Duodenum	stover	Positive	differentiation of muscle cells	1.85E-05	109
	Corn				
Duodenum	stover	Positive	cell movement of phagocytes	1.88E-05	202
	Corn				
Duodenum	stover	Positive	morphology of endothelial tissue	1.88E-05	38
	Corn				
Duodenum	stover	Positive	quantity of thymocytes	1.88E-05	91
	Corn				
Duodenum	stover	Positive	morphogenesis of neurons	1.90E-05	159
	Corn				
Duodenum	stover	Positive	epilepsy	1.92E-05	118
	Corn				
Duodenum	stover	Positive	gliosis of central nervous system	1.92E-05	29
	Corn				
Duodenum	stover	Positive	metabolism of hexose	1.92E-05	47
	Corn				
Duodenum	stover	Positive	endocytosis	1.98E-05	131
	Corn				
Duodenum	stover	Positive	cell movement of carcinoma cell lines	1.98E-05	82
	Corn				
Duodenum	stover	Positive	cell death of blood cells	2.00E-05	251
	Corn				
Duodenum	stover	Positive	adenoma	2.02E-05	203
	Corn				
Duodenum	stover	Positive	cell movement of fibroblasts	2.04E-05	74
Duodenum	Corn	Positive	formation of kidney	2.05E-05	108

	stover				
	Corn				
Duodenum	stover	Positive	generation of lymphocytes	2.11E-05	59
	Corn				
Duodenum	stover	Positive	abnormal morphology of genital organ	2.12E-05	153
	Corn				
Duodenum	stover	Positive	occlusion of artery	2.15E-05	176
	Corn				
Duodenum	stover	Positive	homeostasis of neurons	2.18E-05	11
	Corn				
Duodenum	stover	Positive	morphology of nerves	2.35E-05	58
	Corn				
Duodenum	stover	Positive	fatty acid metabolism	2.37E-05	219
	Corn				
Duodenum	stover	Positive	activation of Protein kinase	2.43E-05	98
	Corn				
Duodenum	stover	Positive	cytostasis	2.43E-05	109
	Corn				
Duodenum	stover	Positive	hypertrophy of heart	2.47E-05	128
	Corn				
Duodenum	stover	Positive	uptake of D-glucose	2.56E-05	87
	Corn				
Duodenum	stover	Positive	abnormal morphology of skin	2.56E-05	95
	Corn				
Duodenum	stover	Positive	cell death of central nervous system cells	2.58E-05	112
	Corn				
Duodenum	stover	Positive	fertility	2.62E-05	137
	Corn				
Duodenum	stover	Positive	branching of cells	2.64E-05	139
	Corn				
Duodenum	stover	Positive	muscular hypertrophy	2.65E-05	81
	Corn				
Duodenum	stover	Positive	apoptosis of neuroblastoma cell lines	2.66E-05	52
	Corn				
Duodenum	stover	Positive	movement of vascular endothelial cells	2.76E-05	73
	Corn				
Duodenum	stover	Positive	maturation of cells	2.78E-05	169
	Corn				
Duodenum	stover	Positive	exocytosis	2.81E-05	76
	Corn				
Duodenum	stover	Positive	cell death of pheochromocytoma cell lines	2.94E-05	51
	Corn				
Duodenum	stover	Positive	morphology of cardiomyocytes	2.98E-05	41
Duodenum	Corn	Positive	morphology of skull	3.16E-05	88

	stover				
	Corn				
Duodenum	stover	Positive	apoptosis of cervical cancer cell lines	3.16E-05	108
	Corn				
Duodenum	stover	Positive	metabolism of D-glucose	3.18E-05	40
	Corn				
Duodenum	stover	Positive	quantity of cellular protrusions	3.19E-05	65
	Corn				
Duodenum	stover	Positive	degeneration of central nervous system	3.19E-05	55
	Corn				
Duodenum	stover	Positive	length of cells	3.19E-05	44
	Corn				
Duodenum	stover	Positive	function of muscle	3.22E-05	131
	Corn				
Duodenum	stover	Positive	I-kappaB kinase/NF-kappaB cascade	3.22E-05	70
	Corn				
Duodenum	stover	Positive	adhesion of tumor cell lines	3.24E-05	110
	Corn				
Duodenum	stover	Positive	congenital anomaly of cardiovascular system	3.24E-05	89
	Corn				
Duodenum	stover	Positive	congenital malformation of skeleton	3.25E-05	157
	Corn				
Duodenum	stover	Positive	synthesis of DNA	3.27E-05	155
	Corn				
Duodenum	stover	Positive	female genital tract serous cancer	3.32E-05	144
	Corn				
Duodenum	stover	Positive	abnormal morphology of skull	3.35E-05	86
	Corn				
Duodenum	stover	Positive	generation of T lymphocytes	3.51E-05	49
	Corn				
Duodenum	stover	Positive	hypersensitive reaction	3.61E-05	159
	Corn				
Duodenum	stover	Positive	proliferation of endothelial cells	3.68E-05	118
	Corn				
Duodenum	stover	Positive	binding of protein binding site	3.73E-05	110
	Corn				
Duodenum	stover	Positive	cell death of kidney cell lines	4.07E-05	115
	Corn				
Duodenum	stover	Positive	proliferation of epidermal cells	4.09E-05	68
	Corn				
Duodenum	stover	Positive	formation of skin	4.23E-05	137
	Corn				
Duodenum	stover	Positive	intermediate disease stage peripheral arterial disease	4.39E-05	64
Duodenum	Corn	Positive	formation of lymphatic system component	4.40E-05	111

	stover				
	Corn				
Duodenum	stover	Positive	cell death of cerebral cortex cells	4.52E-05	89
	Corn				
Duodenum	stover	Positive	colony formation of tumor cell lines	4.52E-05	105
	Corn				
Duodenum	stover	Positive	invasion of carcinoma cell lines	4.52E-05	78
	Corn				
Duodenum	stover	Positive	metastasis	4.54E-05	271
	Corn				
Duodenum	stover	Positive	morphology of lymphatic system component	4.61E-05	154
	Corn				
Duodenum	stover	Positive	cellular infiltration by leukocytes	4.75E-05	144
	Corn				
Duodenum	stover	Positive	abdominal adenocarcinoma	4.79E-05	1914
	Corn		abnormal morphology of central nervous		
Duodenum	stover	Positive	system	4.79E-05	177
	Corn				
Duodenum	stover	Positive	morphology of digestive system	4.80E-05	207
	Corn				
Duodenum	stover	Positive	oral cavity carcinoma	5.10E-05	77
	Corn				
Duodenum	stover	Positive	cell movement of endothelial cells	5.31E-05	132
	Corn				
Duodenum	stover	Positive	hypoplasia of organ	5.41E-05	164
	Corn				
Duodenum	stover	Positive	Rheumatic Disease	5.42E-05	376
	Corn				
Duodenum	stover	Positive	degeneration of brain	5.52E-05	52
	Corn				
Duodenum	stover	Positive	invasion of prostate cancer cell lines	5.57E-05	44
	Corn				
Duodenum	stover	Positive	connective or soft tissue tumor	5.66E-05	252
	Corn				
Duodenum	stover	Positive	apoptosis of pheochromocytoma cell lines	5.78E-05	40
	Corn				
Duodenum	stover	Positive	growth of brain	5.87E-05	49
	Corn				
Duodenum	stover	Positive	gastrointestinal tract cancer	5.90E-05	1646
	Corn				
Duodenum	stover	Positive	differentiation of embryonic cells	5.95E-05	88
	Corn				
Duodenum	stover	Positive	skin abnormality	5.95E-05	88
Duodenum	Corn	Positive	smooth muscle tumor	5.95E-05	114

	stover				
	Corn				
Duodenum	stover	Positive	cell viability of embryonic cells	5.96E-05	26
	Corn				
Duodenum	stover	Positive	morphology of skeleton	6.05E-05	106
	Corn				
Duodenum	stover	Positive	generation of cells	6.19E-05	100
	Corn				
Duodenum	stover	Positive	transmigration of blood cells	6.21E-05	53
	Corn				
Duodenum	stover	Positive	contractility of ventricular myocardium	6.22E-05	27
	Corn				
Duodenum	stover	Positive	metabolism of nucleoside triphosphate	6.28E-05	57
	Corn				
Duodenum	stover	Positive	midline defect	6.28E-05	101
	Corn				
Duodenum	stover	Positive	morphogenesis of neurites	6.31E-05	154
	Corn				
Duodenum	stover	Positive	bone mineral density	6.36E-05	69
	Corn				
Duodenum	stover	Positive	cell death of brain	6.38E-05	110
	Corn				
Duodenum	stover	Positive	contractility of myocardium	6.41E-05	29
	Corn				
Duodenum	stover	Positive	morphology of endothelial cells	6.41E-05	29
	Corn				
Duodenum	stover	Positive	gastrointestinal carcinoma	6.42E-05	1479
	Corn				
Duodenum	stover	Positive	gliosis of cerebral cortex	6.45E-05	14
	Corn				
Duodenum	stover	Positive	abnormal morphology of uterus	6.45E-05	38
	Corn				
Duodenum	stover	Positive	abnormal morphology of skeleton	6.45E-05	103
	Corn				
Duodenum	stover	Positive	cell death of kidney cells	6.50E-05	130
	Corn				
Duodenum	stover	Positive	quantity of cytokine	6.51E-05	97
	Corn				
Duodenum	stover	Positive	feeding	6.62E-05	114
	Corn				
Duodenum	stover	Positive	function of phagocytes	6.68E-05	115
	Corn				
Duodenum	stover	Positive	morphology of brain	6.75E-05	170
Duodenum	Corn	Positive	cell death of immune cells	6.81E-05	236

	stover Corn				
Duodenum	stover Corn	Positive	relaxation of muscle	6.82E-05	37
Duodenum	stover Corn	Positive	metabolism of D-hexose	6.89E-05	41
Duodenum	stover Corn	Positive	differentiation of bone	7.00E-05	151
Duodenum	stover Corn	Positive	abnormal morphology of body wall	7.02E-05	44
Duodenum	stover Corn	Positive	hypertrophy of cardiac muscle	7.07E-05	63
Duodenum	stover Corn	Positive	development of striated muscle	7.07E-05	71
Duodenum	stover Corn	Positive	development of reproductive system	7.14E-05	262
Duodenum	stover Corn	Positive	quantity of metal ion	7.17E-05	162
Duodenum	stover Corn	Positive	death of perinatal stage organism	7.17E-05	36
Duodenum	stover Corn	Positive	apoptosis of blood cells	7.29E-05	180
Duodenum	stover Corn	Positive	formation of filopodia	7.30E-05	66
Duodenum	stover Corn	Positive	Dermatitis	7.31E-05	159
Duodenum	stover Corn	Positive	concentration of phospholipid	7.46E-05	72
Duodenum	stover Corn	Positive	Gastrointestinal Tract Cancer and Tumors	7.47E-05	1670
Duodenum	stover Corn	Positive	release of L-glutamic acid	7.53E-05	35
Duodenum	stover Corn	Positive	morphology of mouth	7.53E-05	55
Duodenum	stover Corn	Positive	infection of tumor cell lines	8.31E-05	185
Duodenum	stover Corn	Positive	apoptosis of sarcoma cell lines	8.39E-05	74
Duodenum	stover Corn	Positive	cell death of brain cells	8.39E-05	103
Duodenum	stover Corn	Positive	growth of lymphoid organ	8.39E-05	68
Duodenum	stover	Positive	stress response of cells	8.41E-05	56
Duodenum	Corn	Positive	homeostasis of ion	8.54E-05	91

	stover				
	Corn				
Duodenum	stover	Positive	differentiation of epithelial cells	8.66E-05	117
	Corn				
Duodenum	stover	Positive	migration of vascular endothelial cells	8.82E-05	66
	Corn				
Duodenum	stover	Positive	cell viability of brain cells	9.01E-05	41
	Corn				
Duodenum	stover	Positive	release of amino acids	9.01E-05	41
	Corn				
Duodenum	stover	Positive	abnormal morphology of snout	9.05E-05	30
	Corn				
Duodenum	stover	Positive	autophagy of cells	9.05E-05	100
	Corn				
Duodenum	stover	Positive	formation of lymphoid organ	9.05E-05	100
	Corn				
Duodenum	stover	Positive	progression of tumor	9.19E-05	64
	Corn				
Duodenum	stover	Positive	abnormal morphology of digestive system	9.28E-05	196
	Corn				
Duodenum	stover	Positive	vascularization of body region	9.34E-05	55
	Corn				
Duodenum	stover	Positive	ion homeostasis of cells	9.55E-05	200
	Corn				
Duodenum	stover	Positive	differentiation of bone cells	9.60E-05	149
	Corn				
Duodenum	stover	Positive	morphology of uterus	9.72E-05	40
	Corn				
Duodenum	stover	Positive	hypertrophy of tissue	9.79E-05	97
	Corn				
Duodenum	stover	Positive	infection of cervical cancer cell lines	9.79E-05	160
	Corn				
Duodenum	stover	Positive	biosynthesis of purine ribonucleotide	9.80E-05	43
	Corn				
Duodenum	stover	Positive	potentiation of synapse	9.82E-05	60
	Corn				
Duodenum	stover	Positive	morphology of gonad	9.97E-05	139
	Corn				
Duodenum	stover	Positive	G1/S phase transition	9.97E-05	82
	Corn				
Duodenum	stover	Positive	transport of inorganic cation	1.01E-04	130
	Corn				
Duodenum	stover	Positive	formation of leukocytes	1.02E-04	63
Duodenum	Corn	Positive	transmigration of leukocytes	1.03E-04	52

	stover Corn				
Duodenum	stover Corn	Positive	proliferation of immune cells	1.03E-04	279
Duodenum	stover Corn	Positive	neurodegeneration of neurites	1.04E-04	39
Duodenum	stover Corn	Positive	cell death of bone cancer cell lines	1.05E-04	69
Duodenum	stover Corn	Positive	morphology of testis	1.06E-04	102
Duodenum	stover Corn	Positive	generation of leukocytes	1.10E-04	64
Duodenum	stover Corn	Positive	Cytosis	1.10E-04	119
Duodenum	stover Corn	Positive	hepatobiliary system cancer	1.11E-04	1416
Duodenum	stover Corn	Positive	necrosis of kidney	1.12E-04	134
Duodenum	stover Corn	Positive	craniofacial abnormality	1.13E-04	131
Duodenum	stover Corn	Positive	oxidative stress	1.13E-04	33
Duodenum	stover Corn	Positive	leiomyomatosis	1.13E-04	107
Duodenum	stover Corn	Positive	checkpoint control	1.14E-04	44
Duodenum	stover Corn	Positive	hypertrophy of cells	1.14E-04	108
Duodenum	stover Corn	Positive	generation of blood cells	1.17E-04	65
Duodenum	stover Corn	Negative	malignant solid tumor	1.25E-45	4008
Duodenum	stover Corn	Negative	cancer	1.25E-45	4050
Duodenum	stover Corn	Negative	proliferation of cells	9.35E-37	1558
Duodenum	stover Corn	Negative	cell death	3.18E-33	1411
Duodenum	stover Corn	Negative	organismal death	3.24E-31	1052
Duodenum	stover Corn	Negative	morbidity or mortality	5.35E-31	1063
Duodenum	stover	Negative	necrosis	2.07E-28	1105
Duodenum	Corn	Negative	tumorigenesis of tissue	1.42E-27	3365

	stover				
	Corn				
Duodenum	stover	Negative	organization of cytoplasm	1.97E-27	705
	Corn				
Duodenum	stover	Negative	neoplasia of epithelial tissue	6.33E-27	3311
	Corn				
Duodenum	stover	Negative	morphology of cells	9.84E-27	861
	Corn				
Duodenum	stover	Negative	epithelial cancer	2.23E-26	3279
	Corn				
Duodenum	stover	Negative	apoptosis	3.96E-25	1114
	Corn				
Duodenum	stover	Negative	abdominal neoplasm	2.49E-22	3260
	Corn				
Duodenum	stover	Negative	organization of cytoskeleton	4.71E-22	629
	Corn				
Duodenum	stover	Negative	cell movement	2.34E-21	904
	Corn				
Duodenum	stover	Negative	abdominal cancer	1.63E-20	3213
	Corn				
Duodenum	stover	Negative	expression of RNA	2.27E-20	906
	Corn				
Duodenum	stover	Negative	transcription	3.93E-19	843
	Corn				
Duodenum	stover	Negative	cell death of tumor cell lines	4.10E-19	666
	Corn				
Duodenum	stover	Negative	cell survival	5.29E-18	610
	Corn				
Duodenum	stover	Negative	transcription of RNA	6.97E-18	785
	Corn				
Duodenum	stover	Negative	transport of molecule	9.08E-18	692
	Corn				
Duodenum	stover	Negative	digestive organ tumor	1.06E-17	2813
	Corn				
Duodenum	stover	Negative	microtubule dynamics	1.63E-17	527
	Corn				
Duodenum	stover	Negative	digestive system cancer	2.24E-17	2786
	Corn				
Duodenum	stover	Negative	migration of cells	7.58E-17	796
	Corn				
Duodenum	stover	Negative	cell death of connective tissue cells	1.92E-16	290
	Corn				
Duodenum	stover	Negative	vasculogenesis	2.25E-16	345
Duodenum	Corn	Negative	abnormal morphology of cells	2.25E-16	553

	stover				
	Corn				
Duodenum	stover	Negative	development of cytoplasm	2.65E-16	230
	Corn				
Duodenum	stover	Negative	angiogenesis	2.84E-16	413
	Corn				
Duodenum	stover	Negative	cell viability	4.17E-16	565
	Corn				
Duodenum	stover	Negative	differentiation of cells	3.87E-15	914
	Corn				
Duodenum	stover	Negative	morphology of cardiovascular system	4.92E-15	292
	Corn				
Duodenum	stover	Negative	apoptosis of tumor cell lines	1.18E-14	524
	Corn				
Duodenum	stover	Negative	autosomal recessive disease	1.19E-14	412
	Corn				
Duodenum	stover	Negative	Movement Disorders	2.70E-14	464
	Corn				
Duodenum	stover	Negative	cell cycle progression	1.48E-13	456
	Corn				
Duodenum	stover	Negative	invasion of cells	2.40E-13	386
	Corn				
Duodenum	stover	Negative	transcription of DNA	4.39E-13	638
	Corn				
Duodenum	stover	Negative	quantity of cells	1.02E-12	722
	Corn				
Duodenum	stover	Negative	Growth Failure	1.81E-12	274
	Corn				
Duodenum	stover	Negative	formation of cytoskeleton	1.81E-12	182
	Corn				
Duodenum	stover	Negative	growth of organism	2.85E-12	368
	Corn				
Duodenum	stover	Negative	abnormal morphology of thoracic cavity	3.51E-12	268
	Corn				
Duodenum	stover	Negative	growth of connective tissue	4.13E-12	291
	Corn				
Duodenum	stover	Negative	size of body	6.77E-12	372
	Corn				
Duodenum	stover	Negative	proliferation of connective tissue cells	8.79E-12	269
	Corn				
Duodenum	stover	Negative	proliferation of tumor cell lines	2.74E-11	632
	Corn				
Duodenum	stover	Negative	formation of cellular protrusions	3.16E-11	389
Duodenum	Corn	Negative	organization of organelle	3.51E-11	245

	stover				
	Corn				
Duodenum	stover	Negative	morphology of body cavity	4.89E-11	499
	Corn				
Duodenum	stover	Negative	congenital anomaly of musculoskeletal system	4.89E-11	323
	Corn				
Duodenum	stover	Negative	cell movement of tumor cell lines	5.32E-11	368
	Corn				
Duodenum	stover	Negative	cellular homeostasis	5.76E-11	620
	Corn				
Duodenum	stover	Negative	abnormal morphology of cardiovascular system	7.60E-11	255
	Corn				
Duodenum	stover	Negative	morphology of heart	7.60E-11	189
	Corn				
Duodenum	stover	Negative	development of body trunk	9.21E-11	468
	Corn				
Duodenum	stover	Negative	development of vasculature	9.21E-11	194
	Corn				
Duodenum	stover	Negative	proliferation of fibroblast cell lines	9.45E-11	196
	Corn				
Duodenum	stover	Negative	perinatal death	1.10E-10	265
	Corn				
Duodenum	stover	Negative	interphase	1.57E-10	289
	Corn				
Duodenum	stover	Negative	cell death of fibroblasts	1.93E-10	129
	Corn				
Duodenum	stover	Negative	invasion of tumor cell lines	2.14E-10	292
	Corn				
Duodenum	stover	Negative	formation of cells	2.55E-10	415
	Corn				
Duodenum	stover	Negative	Viral Infection	2.58E-10	649
	Corn				
Duodenum	stover	Negative	disorder of basal ganglia	5.56E-10	330
	Corn				
Duodenum	stover	Negative	fibrogenesis	6.75E-10	188
	Corn				
Duodenum	stover	Negative	phosphorylation of protein	7.77E-10	317
	Corn				
Duodenum	stover	Negative	abnormal morphology of body cavity	8.20E-10	472
	Corn				
Duodenum	stover	Negative	mitosis	8.30E-10	222
	Corn				
Duodenum	stover	Negative	dyskinesia	9.12E-10	270
Duodenum	Corn	Negative	epileptic seizure	9.46E-10	86

	stover				
	Corn				
Duodenum	stover	Negative	growth of embryo	9.46E-10	214
	Corn				
Duodenum	stover	Negative	cell transformation	1.20E-09	207
	Corn				
Duodenum	stover	Negative	neurological signs	1.20E-09	283
	Corn				
Duodenum	stover	Negative	necrosis of epithelial tissue	1.37E-09	258
	Corn				
Duodenum	stover	Negative	cell death of cervical cancer cell lines	1.38E-09	162
	Corn				
Duodenum	stover	Negative	benign neoplasia	1.38E-09	389
	Corn				
Duodenum	stover	Negative	formation of filaments	1.54E-09	181
	Corn				
Duodenum	stover	Negative	function of cardiovascular system	2.22E-09	169
	Corn				
Duodenum	stover	Negative	apoptosis of fibroblast cell lines	2.27E-09	152
	Corn				
Duodenum	stover	Negative	cell death of fibroblast cell lines	2.76E-09	192
	Corn				
Duodenum	stover	Negative	concentration of lipid	3.31E-09	343
	Corn				
Duodenum	stover	Negative	ubiquitination	3.39E-09	155
	Corn				
Duodenum	stover	Negative	apoptosis of connective tissue cells	3.79E-09	138
	Corn				
Duodenum	stover	Negative	protein kinase cascade	4.13E-09	189
	Corn				
Duodenum	stover	Negative	migration of tumor cell lines	4.22E-09	302
	Corn				
Duodenum	stover	Negative	chorea	4.22E-09	251
	Corn				
Duodenum	stover	Negative	Huntington's Disease	4.58E-09	250
	Corn				
Duodenum	stover	Negative	colony formation of cells	4.86E-09	217
	Corn				
Duodenum	stover	Negative	formation of actin filaments	5.76E-09	141
	Corn				
Duodenum	stover	Negative	activation of DNA endogenous promoter	6.00E-09	492
	Corn				
Duodenum	stover	Negative	size of embryo	6.27E-09	162
Duodenum	Corn	Negative	cell viability of tumor cell lines	6.27E-09	329

	stover				
	Corn				
Duodenum	stover	Negative	synthesis of lipid	6.42E-09	304
	Corn				
Duodenum	stover	Negative	cell death of epithelial cells	8.19E-09	218
	Corn				
Duodenum	stover	Negative	abnormal morphology of embryonic tissue	9.20E-09	238
	Corn				
Duodenum	stover	Negative	abnormal morphology of heart	1.06E-08	172
	Corn				
Duodenum	stover	Negative	adenocarcinoma	1.67E-08	2381
	Corn				
Duodenum	stover	Negative	quantity of leukocytes	1.76E-08	379
	Corn				
Duodenum	stover	Negative	growth of muscle tissue	1.91E-08	167
	Corn				
Duodenum	stover	Negative	proliferation of muscle cells	2.05E-08	166
	Corn				
Duodenum	stover	Negative	colony formation	2.05E-08	232
	Corn				
Duodenum	stover	Negative	metabolism of carbohydrate	2.24E-08	265
	Corn				
Duodenum	stover	Negative	ubiquitination of protein	2.24E-08	150
	Corn				
Duodenum	stover	Negative	movement of vascular endothelial cells	3.61E-08	88
	Corn				
Duodenum	stover	Negative	apoptosis of cervical cancer cell lines	3.71E-08	129
	Corn				
Duodenum	stover	Negative	development of connective tissue	3.80E-08	165
	Corn				
Duodenum	stover	Negative	degeneration of nervous system	3.95E-08	131
	Corn				
Duodenum	stover	Negative	migration of muscle cells	4.06E-08	81
	Corn				
Duodenum	stover	Negative	congenital malformation of skeleton	5.80E-08	185
	Corn				
Duodenum	stover	Negative	abnormal morphology of nervous system	6.31E-08	303
	Corn				
Duodenum	stover	Negative	size of animal	6.65E-08	86
	Corn				
Duodenum	stover	Negative	neuronal cell death	7.00E-08	286
	Corn				
Duodenum	stover	Negative	cell movement of endothelial cells	7.04E-08	157
Duodenum	Corn	Negative	formation of actin stress fibers	7.33E-08	111

	stover Corn				
Duodenum	stover Corn	Negative	morphology of nervous system	7.73E-08	325
Duodenum	stover Corn	Negative	formation of skin	7.96E-08	162
Duodenum	stover Corn	Negative	proliferation of smooth muscle cells	1.03E-07	129
Duodenum	stover Corn	Negative	migration of smooth muscle cells	1.10E-07	73
Duodenum	stover Corn	Negative	craniofacial abnormality	1.19E-07	157
Duodenum	stover Corn	Negative	morphology of respiratory system	1.33E-07	139
Duodenum	stover Corn	Negative	seizures	1.39E-07	174
Duodenum	stover Corn	Negative	cell movement of fibroblasts	1.44E-07	87
Duodenum	stover Corn	Negative	cell movement of muscle cells	1.49E-07	86
Duodenum	stover Corn	Negative	abnormal morphology of respiratory system	1.50E-07	137
Duodenum	stover Corn	Negative	quantity of blood cells	1.50E-07	415
Duodenum	stover Corn	Negative	transactivation	1.65E-07	244
Duodenum	stover Corn	Negative	cell death of embryonic cells	1.66E-07	59
Duodenum	stover Corn	Negative	abdominal adenocarcinoma	1.68E-07	2161
Duodenum	stover Corn	Negative	growth of epithelial tissue	1.97E-07	283
Duodenum	stover Corn	Negative	genital tumor	2.25E-07	1502
Duodenum	stover Corn	Negative	apoptosis of epithelial cell lines	2.25E-07	103
Duodenum	stover Corn	Negative	seizure disorder	2.25E-07	201
Duodenum	stover Corn	Negative	morphology of head	2.47E-07	357
Duodenum	stover Corn	Negative	Neurodegeneration	2.59E-07	137
Duodenum	stover	Negative	breast or colorectal cancer	3.07E-07	1828
Duodenum	Corn	Negative	neuromuscular disease	3.13E-07	359

	stover				
	Corn				
Duodenum	stover	Negative	abnormal morphology of head	3.13E-07	340
	Corn				
Duodenum	stover	Negative	hepatobiliary system cancer	3.17E-07	1607
	Corn				
Duodenum	stover	Negative	cell death of epithelial cell lines	3.23E-07	126
	Corn				
Duodenum	stover	Negative	cell movement of smooth muscle cells	3.23E-07	77
	Corn				
Duodenum	stover	Negative	metabolism of DNA	3.40E-07	172
	Corn				
Duodenum	stover	Negative	neonatal death	3.59E-07	188
	Corn				
Duodenum	stover	Negative	Organ Degeneration	4.00E-07	209
	Corn				
Duodenum	stover	Negative	female genital neoplasm	4.54E-07	1326
	Corn				
Duodenum	stover	Negative	differentiation of epithelial tissue	4.70E-07	156
	Corn				
Duodenum	stover	Negative	development of cardiovascular tissue	4.70E-07	160
	Corn				
Duodenum	stover	Negative	liver cancer	4.70E-07	1598
	Corn				
Duodenum	stover	Negative	liver tumor	4.88E-07	1608
	Corn				
Duodenum	stover	Negative	hepatocellular carcinoma	5.22E-07	1549
	Corn				
Duodenum	stover	Negative	metabolism of protein	5.75E-07	391
	Corn				
Duodenum	stover	Negative	development of head	5.99E-07	394
	Corn				
Duodenum	stover	Negative	survival of organism	6.22E-07	289
	Corn				
Duodenum	stover	Negative	development of body axis	6.41E-07	420
	Corn				
Duodenum	stover	Negative	synthesis of DNA	6.93E-07	178
	Corn				
Duodenum	stover	Negative	transactivation of RNA	8.29E-07	227
	Corn				
Duodenum	stover	Negative	cell death of stem cells	8.59E-07	44
	Corn				
Duodenum	stover	Negative	differentiation of connective tissue cells	9.20E-07	265
Duodenum	Corn	Negative	cell death of pheochromocytoma cell lines	9.21E-07	59

	stover				
	Corn				
Duodenum	stover	Negative	migration of vascular endothelial cells	9.21E-07	78
	Corn				
Duodenum	stover	Negative	cellular degradation	9.63E-07	113
	Corn				
Duodenum	stover	Negative	differentiation of connective tissue	9.69E-07	298
	Corn				
Duodenum	stover	Negative	development of leukocytes	9.80E-07	244
	Corn				
Duodenum	stover	Negative	proliferation of fibroblasts	1.02E-06	152
	Corn				
Duodenum	stover	Negative	differentiation of tumor cell lines	1.19E-06	162
	Corn				
Duodenum	stover	Negative	development of blood cells	1.24E-06	268
	Corn				
Duodenum	stover	Negative	apoptosis of fibroblasts	1.39E-06	98
	Corn				
Duodenum	stover	Negative	necrosis of kidney	1.41E-06	156
	Corn				
Duodenum	stover	Negative	invasion of tissue	1.49E-06	89
	Corn				
Duodenum	stover	Negative	S phase	1.50E-06	115
	Corn				
Duodenum	stover	Negative	apoptosis of kidney cell lines	1.54E-06	106
	Corn				
Duodenum	stover	Negative	cell spreading	1.70E-06	121
	Corn				
Duodenum	stover	Negative	Bleeding	1.72E-06	179
	Corn				
Duodenum	stover	Negative	quantity of lymphocytes	1.72E-06	288
	Corn				
Duodenum	stover	Negative	morphology of bone	1.73E-06	189
	Corn				
Duodenum	stover	Negative	uptake of monosaccharide	1.73E-06	118
	Corn				
Duodenum	stover	Negative	concentration of fatty acid	1.87E-06	122
	Corn				
Duodenum	stover	Negative	epilepsy	1.96E-06	133
	Corn				
Duodenum	stover	Negative	Gastrointestinal Tract Cancer and Tumors	2.03E-06	1878
	Corn				
Duodenum	stover	Negative	migration of endothelial cells	2.04E-06	141
Duodenum	Corn	Negative	gastrointestinal tract cancer	2.06E-06	1849

	stover					
	Corn					
Duodenum	stover	Negative	behavior	2.12E-06	393	
	Corn					
Duodenum	stover	Negative	quantity of mononuclear leukocytes	2.13E-06	298	
	Corn					
Duodenum	stover	Negative	cardiogenesis	2.24E-06	197	
	Corn					
Duodenum	stover	Negative	differentiation of epithelial cells	2.31E-06	135	
	Corn					
Duodenum	stover	Negative	uptake of carbohydrate	2.31E-06	126	
	Corn					
Duodenum	stover	Negative	cell death of kidney cells	2.36E-06	149	
	Corn					
Duodenum	stover	Negative	abnormal morphology of bone	2.39E-06	183	
	Corn					
Duodenum	stover	Negative	formation of focal adhesions	2.39E-06	72	
	Corn					
Duodenum	stover	Negative	abnormal morphology of epithelial tissue	2.41E-06	176	
	Corn					
Duodenum	stover	Negative	morphology of digestive system	2.43E-06	235	
	Corn					
Duodenum	stover	Negative	gastrointestinal carcinoma	2.44E-06	1662	
	Corn					
Duodenum	stover	Negative	breast or ovarian cancer	2.59E-06	729	
	Corn					
Duodenum	stover	Negative	mitosis of cervical cancer cell lines	2.59E-06	49	
	Corn					
Duodenum	stover	Negative	migration of fibroblasts	2.73E-06	67	
	Corn					
Duodenum	stover	Negative	Hypertrophy	2.81E-06	197	
	Corn					
Duodenum	stover	Negative	cell viability of connective tissue cells	2.95E-06	63	
	Corn					
Duodenum	stover	Negative	mitosis of tumor cell lines	2.95E-06	63	
	Corn					
Duodenum	stover	Negative	synthesis of carbohydrate	3.03E-06	178	
	Corn					
Duodenum	stover	Negative	development of endothelial tissue	3.03E-06	155	
	Corn					
Duodenum	stover	Negative	cell death of neuroblastoma cell lines	3.04E-06	87	
	Corn					
Duodenum	stover	Negative	neuritogenesis	3.04E-06	239	
Duodenum	Corn	Negative	formation of muscle	3.17E-06	167	

	stover				
	Corn				
Duodenum	stover	Negative	proliferation of immune cells	3.35E-06	318
	Corn				
Duodenum	stover	Negative	degeneration of neurons	3.36E-06	105
	Corn				
Duodenum	stover	Negative	transport of D-glucose	3.52E-06	67
	Corn				
Duodenum	stover	Negative	Lymphocyte homeostasis	3.57E-06	224
	Corn				
Duodenum	stover	Negative	transport of carbohydrate	3.76E-06	87
	Corn				
Duodenum	stover	Negative	development of epithelial tissue	3.76E-06	213
	Corn				
Duodenum	stover	Negative	cell death of kidney cell lines	3.78E-06	130
	Corn				
Duodenum	stover	Negative	migration of vascular smooth muscle cells	3.83E-06	51
	Corn				
Duodenum	stover	Negative	development of lymphocytes	3.93E-06	227
	Corn				
Duodenum	stover	Negative	growth of tumor	4.03E-06	319
	Corn				
Duodenum	stover	Negative	female genital tract serous cancer	4.03E-06	162
	Corn				
Duodenum	stover	Negative	abnormal morphology of abdomen	4.09E-06	349
	Corn				
Duodenum	stover	Negative	cell movement of connective tissue cells	4.35E-06	98
	Corn				
Duodenum	stover	Negative	morphology of connective tissue	4.36E-06	191
	Corn				
Duodenum	stover	Negative	proliferation of blood cells	4.39E-06	336
	Corn				
Duodenum	stover	Negative	abnormal morphology of digestive system	4.78E-06	223
	Corn				
Duodenum	stover	Negative	homeostasis of leukocytes	4.89E-06	227
	Corn				
Duodenum	stover	Negative	T cell homeostasis	5.06E-06	212
	Corn				
Duodenum	stover	Negative	proliferation of neuronal cells	5.06E-06	235
	Corn				
Duodenum	stover	Negative	cell death of muscle cells	5.20E-06	142
	Corn				
Duodenum	stover	Negative	cell death of embryonic stem cells	5.34E-06	28
Duodenum	Corn	Negative	invasion of carcinoma cell lines	5.34E-06	88

	stover Corn				
Duodenum	stover Corn	Negative	abdominal carcinoma	5.36E-06	2171
Duodenum	stover Corn	Negative	endothelial cell development	5.39E-06	149
Duodenum	stover Corn	Negative	replication of RNA virus	5.40E-06	208
Duodenum	stover Corn	Negative	infection by Retroviridae	5.74E-06	289
Duodenum	stover Corn	Negative	development of lymphatic system	5.74E-06	150
Duodenum	stover Corn	Negative	formation of lymphoid organ	6.19E-06	114
Duodenum	stover Corn	Negative	migration of connective tissue cells	6.35E-06	81
Duodenum	stover Corn	Negative	cell death of muscle	6.35E-06	145
Duodenum	stover Corn	Negative	growth of embryonic tissue	6.46E-06	118
Duodenum	stover Corn	Negative	HIV infection	6.50E-06	286
Duodenum	stover Corn	Negative	activation of cells	6.61E-06	385
Duodenum	stover Corn	Negative	death of perinatal stage organism	6.79E-06	41
Duodenum	stover Corn	Negative	activation of enzyme	6.80E-06	162
Duodenum	stover Corn	Negative	infection by HIV-1	7.00E-06	247
Duodenum	stover Corn	Negative	T cell development	7.02E-06	206
Duodenum	stover Corn	Negative	cell movement of vascular smooth muscle cells	7.27E-06	54
Duodenum	stover Corn	Negative	development of lymphatic system component	7.46E-06	131
Duodenum	stover Corn	Negative	necrosis of muscle	7.86E-06	144
Duodenum	stover Corn	Negative	morphology of vessel	8.08E-06	130
Duodenum	stover Corn	Negative	transmembrane potential of mitochondria	8.11E-06	94
Duodenum	stover	Negative	autosomal dominant disease	8.11E-06	257
Duodenum	Corn	Negative	learning	8.14E-06	173

	stover Corn				
Duodenum	stover Corn	Negative	cognition	8.36E-06	187
Duodenum	stover Corn	Negative	apoptosis of pheochromocytoma cell lines	8.46E-06	45
Duodenum	stover Corn	Negative	formation of lymphatic system component	9.26E-06	124
Duodenum	stover Corn	Negative	apoptosis of stem cells	9.37E-06	36
Duodenum	stover Corn	Negative	apoptosis of muscle	9.94E-06	112
Duodenum	stover Corn	Negative	development of neurons	1.00E-05	311
Duodenum	stover Corn	Negative	Edema	1.05E-05	144
Duodenum	stover Corn	Negative	function of blood cells	1.10E-05	237
Duodenum	stover Corn	Negative	multiple congenital anomalies	1.11E-05	174
Duodenum	stover Corn	Negative	development of digestive system	1.12E-05	159
Duodenum	stover Corn	Negative	morphology of mouth	1.12E-05	62
Duodenum	stover Corn	Negative	morphogenesis of neurons	1.16E-05	175
Duodenum	stover Corn	Negative	tumorigenesis of genital organ	1.17E-05	1435
Duodenum	stover Corn	Negative	cell movement of blood cells	1.23E-05	345
Duodenum	stover Corn	Negative	apoptosis of muscle cells	1.26E-05	111
Duodenum	stover Corn	Negative	apoptosis of neuroblastoma cell lines	1.26E-05	57
Duodenum	stover Corn	Negative	apoptosis of embryonic cells	1.27E-05	47
Duodenum	stover Corn	Negative	migration of blood cells	1.31E-05	344
Duodenum	stover Corn	Negative	formation of plasma membrane projections	1.46E-05	240
Duodenum	stover Corn	Negative	leukocyte migration	1.55E-05	343
Duodenum	stover	Negative	transport of monosaccharide	1.67E-05	71
Duodenum	Corn	Negative	cell death of lymphocytes	1.69E-05	159

	stover				
	Corn				
Duodenum	stover	Negative	proliferation of epidermal cells	1.70E-05	75
	Corn				
Duodenum	stover	Negative	quantity of connective tissue	1.71E-05	242
	Corn				
Duodenum	stover	Negative	proliferation of dermal cells	1.78E-05	78
	Corn				
Duodenum	stover	Negative	quantity of reactive oxygen species	1.78E-05	78
	Corn				
Duodenum	stover	Negative	function of leukocytes	1.78E-05	217
	Corn				
Duodenum	stover	Negative	mass of organism	1.78E-05	139
	Corn				
Duodenum	stover	Negative	cell death of blood cells	1.78E-05	276
	Corn				
Duodenum	stover	Negative	infection of cells	1.78E-05	315
	Corn				
Duodenum	stover	Negative	ruffling	1.80E-05	51
	Corn				
Duodenum	stover	Negative	morphology of skin	1.81E-05	115
	Corn				
Duodenum	stover	Negative	differentiation of epidermal cells	1.85E-05	73
	Corn				
Duodenum	stover	Negative	sprouting	1.88E-05	159
	Corn				
Duodenum	stover	Negative	Hypertension	1.90E-05	256
	Corn				
Duodenum	stover	Negative	cell viability of cervical cancer cell lines	1.93E-05	95
	Corn				
Duodenum	stover	Negative	cell death of immune cells	2.00E-05	263
	Corn				
Duodenum	stover	Negative	cell death of mononuclear leukocytes	2.01E-05	163
	Corn				
Duodenum	stover	Negative	morphology of limb	2.10E-05	99
	Corn				
Duodenum	stover	Negative	serous neoplasm	2.14E-05	244
	Corn				
Duodenum	stover	Negative	transport of alpha-amino acid	2.14E-05	36
	Corn				
Duodenum	stover	Negative	cell death of tumor	2.18E-05	157
	Corn				
Duodenum	stover	Negative	abnormal morphology of limb	2.25E-05	98
Duodenum	Corn	Negative	synthesis of fatty acid	2.28E-05	130

	stover				
	Corn				
Duodenum	stover	Negative	genital tract cancer	2.32E-05	1419
	Corn				
Duodenum	stover	Negative	transformation of fibroblast cell lines	2.38E-05	109
	Corn				
Duodenum	stover	Negative	invasion of lung cancer cell lines	2.41E-05	49
	Corn				
Duodenum	stover	Negative	formation of thymus gland	2.41E-05	72
	Corn				
Duodenum	stover	Negative	arrest in interphase	2.44E-05	170
	Corn				
Duodenum	stover	Negative	leukopenia	2.57E-05	60
	Corn				
Duodenum	stover	Negative	growth of plasma membrane projections	2.58E-05	189
	Corn				
Duodenum	stover	Negative	proliferation of epithelial cells	2.60E-05	199
	Corn				
Duodenum	stover	Negative	differentiation of muscle	2.66E-05	126
	Corn				
Duodenum	stover	Negative	tumorigenesis of reproductive tract	2.75E-05	1254
	Corn				
Duodenum	stover	Negative	degeneration of cells	2.76E-05	142
	Corn				
Duodenum	stover	Negative	sensitivity of cells	2.81E-05	64
	Corn				
Duodenum	stover	Negative	cell death of heart	2.86E-05	97
	Corn				
Duodenum	stover	Negative	small GTPase mediated signal transduction	2.86E-05	80
	Corn				
Duodenum	stover	Negative	outgrowth of plasma membrane projections	2.92E-05	166
	Corn				
Duodenum	stover	Negative	secretion of molecule	2.92E-05	221
	Corn				
Duodenum	stover	Negative	cell death of heart cells	2.93E-05	94
	Corn				
Duodenum	stover	Negative	I-kappaB kinase/NF-kappaB cascade	2.94E-05	76
	Corn				
Duodenum	stover	Negative	hypertrophy of tissue	2.96E-05	108
	Corn				
Duodenum	stover	Negative	stress response of cells	3.01E-05	62
	Corn				
Duodenum	stover	Negative	cytopenia	3.05E-05	124
Duodenum	Corn	Negative	concentration of phosphatidic acid	3.13E-05	61

	stover Corn				
Duodenum	stover Corn	Negative	proliferation of mononuclear leukocytes	3.15E-05	291
Duodenum	stover Corn	Negative	activation of Protein kinase	3.46E-05	106
Duodenum	stover Corn	Negative	morphogenesis of neurites	3.46E-05	170
Duodenum	stover Corn	Negative	cell movement of fibroblast cell lines	3.48E-05	73
Duodenum	stover Corn	Negative	growth of lymphatic system component	3.48E-05	83
Duodenum	stover Corn	Negative	binding of DNA	3.48E-05	209
Duodenum	stover Corn	Negative	accumulation of lipid	3.53E-05	124
Duodenum	stover Corn	Negative	differentiation of leukocytes	3.56E-05	266
Duodenum	stover Corn	Negative	mammary tumor	3.63E-05	619
Duodenum	stover Corn	Negative	proliferation of vascular smooth muscle cells	3.63E-05	68
Duodenum	stover Corn	Negative	growth of lymphoid organ	3.81E-05	75
Duodenum	stover Corn	Negative	replication of virus	3.81E-05	224
Duodenum	stover Corn	Negative	female genital tract cancer	4.04E-05	1244
Duodenum	stover Corn	Negative	necrosis of tumor	4.15E-05	155
Duodenum	stover Corn	Negative	transport of amino acids	4.15E-05	60
Duodenum	stover Corn	Negative	paraproteinemia	4.24E-05	138
Duodenum	stover Corn	Negative	DNA replication	4.34E-05	105
Duodenum	stover Corn	Negative	cartilage development	4.44E-05	64
Duodenum	stover Corn	Negative	abnormal morphology of skull	4.44E-05	93
Duodenum	stover Corn	Negative	growth of neurites	4.44E-05	186
Duodenum	stover	Negative	incidence of tumor	4.45E-05	132
Duodenum	Corn	Negative	muscular hypertrophy	4.69E-05	87

	stover				
	Corn				
Duodenum	stover	Negative	outgrowth of cells	4.69E-05	175
	Corn				
Duodenum	stover	Negative	quantity of carbohydrate	4.99E-05	207
	Corn				
Duodenum	stover	Negative	dysgenesis	5.03E-05	215
	Corn				
Duodenum	stover	Negative	morphology of blood vessel	5.22E-05	117
	Corn				
Duodenum	stover	Negative	dysmyelination	5.30E-05	60
	Corn				
Duodenum	stover	Negative	phosphorylation of L-amino acid	5.30E-05	93
	Corn				
Duodenum	stover	Negative	apoptosis of epithelial cells	5.62E-05	118
	Corn				
Duodenum	stover	Negative	quantity of thymocytes	5.62E-05	97
	Corn				
Duodenum	stover	Negative	colon cancer	5.63E-05	1350
	Corn				
Duodenum	stover	Negative	cell death of tumor cells	5.64E-05	151
	Corn				
Duodenum	stover	Negative	proliferation of lymphocytes	5.69E-05	285
	Corn				
Duodenum	stover	Negative	vascularization	5.69E-05	99
	Corn				
Duodenum	stover	Negative	bone mineral density	5.72E-05	75
	Corn				
Duodenum	stover	Negative	metabolism of membrane lipid derivative	5.76E-05	157
	Corn				
Duodenum	stover	Negative	apoptosis of heart cells	5.76E-05	81
	Corn				
Duodenum	stover	Negative	quantity of T lymphocytes	5.76E-05	213
	Corn				
Duodenum	stover	Negative	uptake of D-hexose	5.78E-05	94
	Corn				
Duodenum	stover	Negative	plasma cell dyscrasia	5.89E-05	137
	Corn				
Duodenum	stover	Negative	differentiation of blood cells	6.13E-05	328
	Corn				
Duodenum	stover	Negative	uptake of D-glucose	6.22E-05	93
	Corn				
Duodenum	stover	Negative	differentiation of keratinocytes	6.23E-05	66
Duodenum	Corn	Negative	endometrium tumor	6.29E-05	1061

	stover				
	Corn				
Duodenum	stover	Negative	colon tumor	6.34E-05	1357
	Corn				
Duodenum	stover	Negative	cell death of breast cancer cell lines	6.34E-05	136
	Corn				
Duodenum	stover	Negative	Thrombosis	6.37E-05	73
	Corn				
Duodenum	stover	Negative	midline defect	6.38E-05	110
	Corn				
Duodenum	stover	Negative	oxidative stress response of cells	6.38E-05	31
	Corn				
Duodenum	stover	Negative	outgrowth of neurites	6.47E-05	163
	Corn				
Duodenum	stover	Negative	quantity of hematopoietic progenitor cells	6.97E-05	177
	Corn				
Duodenum	stover	Negative	quantity of lymphoid organ	6.97E-05	126
	Corn				
Duodenum	stover	Negative	fatty acid metabolism	7.36E-05	237
	Corn				
Duodenum	stover	Negative	neoplasia of colon	7.40E-05	1352
	Corn				
Duodenum	stover	Negative	uterine tumor	7.47E-05	1168
	Corn				
Duodenum	stover	Negative	outgrowth of neurons	7.59E-05	164
	Corn				
Duodenum	stover	Negative	formation of lamellipodia	7.59E-05	70
	Corn				
Duodenum	stover	Negative	formation of reactive oxygen species	7.59E-05	41
	Corn				
Duodenum	stover	Negative	morphology of cardiovascular tissue	7.59E-05	41
	Corn				
Duodenum	stover	Negative	cell death of cardiomyocytes	7.59E-05	90
	Corn				
Duodenum	stover	Negative	colony formation of fibroblast cell lines	7.69E-05	43
	Corn				
Duodenum	stover	Negative	cell death of myeloma cell lines	7.69E-05	44
	Corn				
Duodenum	stover	Negative	experimentally-induced diabetes	7.69E-05	44
	Corn				
Duodenum	stover	Negative	metabolism of nucleic acid component or derivative	7.80E-05	206
	Corn				
Duodenum	stover	Negative	morphology of skull	7.97E-05	94
Duodenum	Corn	Negative	interphase of tumor cell lines	8.19E-05	149

	stover Corn				
Duodenum	stover Corn	Negative	recruitment of antigen presenting cells	8.28E-05	54
Duodenum	stover Corn	Negative	concentration of phospholipid	8.31E-05	78
Duodenum	stover Corn	Negative	gastrointestinal adenocarcinoma	8.33E-05	1548
Duodenum	stover Corn	Negative	development of genitourinary system	8.51E-05	343
Duodenum	stover Corn	Negative	migration of fibroblast cell lines	8.61E-05	59
Duodenum	stover Corn	Negative	tumorigenesis of intestine	8.62E-05	1354
Duodenum	stover Corn	Negative	skin abnormality	8.71E-05	95
Duodenum	stover Corn	Negative	urogenital cancer	8.73E-05	1613
Duodenum	stover Corn	Negative	proliferation of embryonic cells	9.17E-05	103
Duodenum	stover Corn	Negative	branching of cells	9.20E-05	149
Duodenum	stover Corn	Negative	morphology of muscle	9.20E-05	136
Duodenum	stover Corn	Negative	infection by RNA virus	9.23E-05	335
Duodenum	stover Corn	Negative	recruitment of cells	9.31E-05	144
Duodenum	stover Corn	Negative	cell movement of leukocytes	9.65E-05	298
Duodenum	stover Corn	Negative	peripheral vascular disease	9.65E-05	153
Duodenum	stover Corn	Negative	recruitment of macrophages	9.70E-05	48
Duodenum	stover Corn	Negative	homing of cells	9.71E-05	220
Duodenum	stover Corn	Negative	growth of skin	9.74E-05	91
Duodenum	stover Corn	Negative	necrosis of cardiac muscle	9.74E-05	91
Duodenum	stover Corn	Negative	development of gastrointestinal tract	9.76E-05	108
Duodenum	stover	Negative	metabolism of nucleotide	9.76E-05	175
Duodenum	Corn	Negative	Hypoplasia	9.76E-05	200

	stover				
	Corn				
Duodenum	stover	Negative	apoptosis of endothelial cells	9.81E-05	78
	Corn				
Duodenum	stover	Negative	endometrial cancer	9.86E-05	1056
	Corn				
Duodenum	stover	Negative	advanced malignant tumor	9.87E-05	327
	Corn				
Duodenum	stover	Negative	arrest in mitosis	1.01E-04	42
	Corn				
Duodenum	stover	Negative	cell movement of cancer cells	1.03E-04	64
	Corn				
Duodenum	stover	Negative	cell movement of epithelial cells	1.03E-04	64
	Corn				
Duodenum	stover	Negative	formation of filopodia	1.04E-04	71
	Corn				
Duodenum	stover	Negative	G1 phase	1.07E-04	156
	Corn				
Duodenum	stover	Negative	metastasis	1.07E-04	295
	Corn				
Duodenum	stover	Negative	hypertrophy of cells	1.08E-04	118
	Corn				
Duodenum	stover	Negative	morphology of heart ventricle	1.16E-04	81
	Corn				
Duodenum	stover	Negative	differentiation of muscle cells	1.18E-04	115
	Corn				
Duodenum	stover	Negative	apoptosis of cardiomyocytes	1.18E-04	78
	Corn				
Duodenum	stover	Negative	colorectal neoplasia	1.22E-04	1572
	Corn				
Duodenum	stover	Negative	formation of leukocytes	1.26E-04	68
	Corn				
Duodenum	stover	Negative	proliferation of endothelial cells	1.34E-04	126
	Corn				
Duodenum	stover	Negative	hypertrophy of heart	1.34E-04	136
	Corn				
Duodenum	stover	Negative	attachment of cells	1.35E-04	59
	Corn				
Duodenum	stover	Negative	connective or soft tissue tumor	1.39E-04	274
	Corn				
Duodenum	stover	Negative	metastatic colorectal cancer	1.40E-04	81
	Corn				
Duodenum	stover	Negative	quantity of lymphatic system component	1.42E-04	151
Duodenum	Corn	Negative	shape change of tumor cell lines	1.42E-04	66

	stover				
	Corn				
Duodenum	stover	Negative	apoptosis of neurons	1.42E-04	173
	Corn				
Duodenum	stover	Negative	cell death of astrocytes	1.42E-04	22
	Corn				
Duodenum	stover	Negative	cell death of hepatoma cell lines	1.46E-04	72
	Corn				
Duodenum	stover	Negative	formation of eye	1.46E-04	174
	Corn				
Duodenum	stover	Negative	apoptosis of hepatoma cell lines	1.50E-04	65
	Corn				
Duodenum	stover	Negative	tumorigenesis of malignant tumor	1.51E-04	110
	Corn				
Duodenum	stover	Negative	generation of lymphocytes	1.51E-04	61
	Corn				
Duodenum	stover	Negative	binding of protein binding site	1.55E-04	117
	Corn				
Duodenum	stover	Negative	development of sensory organ	1.57E-04	221
	Corn				
Duodenum	stover	Negative	polymerization of protein	1.58E-04	148
	Corn				
Duodenum	stover	Negative	arrest in mitosis of tumor cell lines	1.59E-04	33
	Corn				
Duodenum	stover	Negative	cell death of T lymphocytes	1.59E-04	127
	Corn				
Duodenum	stover	Negative	differentiation of skin	1.63E-04	76
	Corn				
Duodenum	stover	Negative	morphology of reproductive system	1.65E-04	210
	Corn				
Duodenum	stover	Negative	expression of protein	1.71E-04	136
	Corn				
Duodenum	stover	Negative	apoptosis of blood cells	1.73E-04	195
	Corn				
Duodenum	stover	Negative	differentiation of bone	1.75E-04	163
	Corn				
Duodenum	stover	Negative	differentiation of T lymphocytes	1.78E-04	151
	Corn				
Duodenum	stover	Negative	intestinal tumor	1.82E-04	1574
	Corn				
Duodenum	stover	Negative	development of reproductive system	1.83E-04	285
	Corn				
Duodenum	stover	Negative	cell movement of neutrophils	1.84E-04	120
Duodenum	Corn	Negative	secretory pathway	1.84E-04	82

	stover Corn				
Duodenum	stover Corn	Negative	cycling of centrosome	1.86E-04	40
Duodenum	stover Corn	Negative	contractility of myocardium	1.90E-04	30
Duodenum	stover Corn	Negative	morphology of endothelial cells	1.90E-04	30
Duodenum	stover Corn	Negative	function of heart	1.90E-04	95
Duodenum	stover Corn	Negative	uterine serous papillary cancer	1.90E-04	95
Duodenum	stover Corn	Negative	homing	1.98E-04	224
Duodenum	stover Corn	Negative	formation of embryonic tissue	1.98E-04	119
Duodenum	stover Corn	Negative	abnormal morphology of skeleton	1.99E-04	110
Duodenum	stover Corn	Negative	female genital tract adenocarcinoma	2.01E-04	1052
Duodenum	stover Corn	Negative	adenoma	2.04E-04	216
Duodenum	stover Corn	Negative	cell death of cerebral cortex cells	2.04E-04	94
Duodenum	stover Corn	Negative	pelvic tumor	2.05E-04	1575
Duodenum	stover Corn	Negative	pelvic cancer	2.08E-04	1565
Duodenum	stover Corn	Negative	morphology of skeleton	2.08E-04	113
Duodenum	stover Corn	Negative	cell movement of tumor cells	2.18E-04	77
Duodenum	stover Corn	Negative	cell death of sarcoma cell lines	2.20E-04	93
Duodenum	stover Corn	Negative	organization of actin cytoskeleton	2.20E-04	121
Duodenum	stover Corn	Negative	colorectal carcinoma	2.22E-04	1342
Duodenum	stover Corn	Negative	abnormal morphology of body wall	2.24E-04	46
Duodenum	stover Corn	Negative	differentiation of bone cells	2.25E-04	161
Duodenum	stover	Negative	activation of neuroglia	2.30E-04	57
Duodenum	Corn	Negative	central nervous system tumor	2.32E-04	349

	stover				
	Corn				
Duodenum	stover	Negative	migration of breast cancer cell lines	2.39E-04	100
	Corn				
Duodenum	stover	Negative	morphology of lung	2.43E-04	78
	Corn				
Duodenum	stover	Negative	targeting of protein	2.43E-04	56
	Corn				
Duodenum	stover	Negative	shape change of fibroblast cell lines	2.47E-04	41
	Corn				
Duodenum	stover	Negative	peripheral arterial disease	2.49E-04	87
	Corn				
Duodenum	stover	Negative	accumulation of reactive oxygen species	2.49E-04	38
	Corn				
Duodenum	stover	Negative	morphology of endothelial tissue	2.49E-04	38
	Corn				
Duodenum	stover	Negative	abnormal morphology of reproductive system	2.49E-04	199
	Corn				
Duodenum	stover	Negative	transport of protein	2.49E-04	121
	Corn				
Duodenum	stover	Negative	formation of vascular lesion	2.50E-04	50
	Corn				
Duodenum	stover	Negative	development of connective tissue cells	2.53E-04	91
	Corn				
Duodenum	stover	Negative	abnormal quantity of amino acids	2.55E-04	29
	Corn				
Duodenum	stover	Negative	cell death of brain	2.61E-04	117
	Corn				
Duodenum	stover	Negative	hydrolysis of nucleotide	2.66E-04	54
	Corn				
Duodenum	stover	Negative	Ovarian Cancer and Tumors	2.80E-04	291
	Corn				
Duodenum	stover	Negative	apoptosis of cerebral cortex cells	2.81E-04	47
	Corn				
Duodenum	stover	Negative	endocytosis	2.86E-04	137
	Corn				
Duodenum	stover	Negative	abnormal morphology of blood vessel	2.86E-04	107
	Corn				
Duodenum	stover	Negative	size of cells	2.87E-04	169
	Corn				
Duodenum	stover	Negative	melanoma	2.88E-04	2368
	Corn				
Duodenum	stover	Negative	arrest in growth of organism	2.89E-04	70
Duodenum	Corn	Negative	demyelination	2.92E-04	52

	stover				
	Corn				
Duodenum	stover	Negative	Breast Cancer and Tumors	2.93E-04	571
	Corn				
Duodenum	stover	Negative	migration of cancer cells	2.94E-04	80
	Corn				
Duodenum	stover	Negative	function of muscle	2.95E-04	138
	Corn				
Duodenum	stover	Negative	colorectal cancer	2.96E-04	1545
	Corn				
Duodenum	stover	Negative	synthesis of protein	3.03E-04	175
	Corn				
Duodenum	stover	Negative	tubulation of endothelial cells	3.03E-04	51
	Corn				
Duodenum	stover	Negative	permeability of cells	3.03E-04	44
	Corn				
Duodenum	stover	Negative	breast cancer	3.08E-04	569
	Alfalfa				
Jejunum	hay	Positive	organismal death	1.35E-32	898
	Alfalfa				
Jejunum	hay	Positive	morbidity or mortality	2.38E-32	906
	Alfalfa				
Jejunum	hay	Positive	malignant solid tumor	4.12E-32	3249
	Alfalfa				
Jejunum	hay	Positive	cancer	8.39E-32	3282
	Alfalfa				
Jejunum	hay	Positive	proliferation of cells	1.08E-28	1271
	Alfalfa				
Jejunum	hay	Positive	organization of cytoplasm	1.56E-24	590
	Alfalfa				
Jejunum	hay	Positive	cell death	9.09E-24	1140
	Alfalfa				
Jejunum	hay	Positive	necrosis	2.88E-21	898
	Alfalfa				
Jejunum	hay	Positive	organization of cytoskeleton	2.00E-20	529
	Alfalfa				
Jejunum	hay	Positive	morphology of cells	1.47E-19	698
	Alfalfa				
Jejunum	hay	Positive	epithelial cancer	2.05E-19	2664
	Alfalfa				
Jejunum	hay	Positive	neoplasia of epithelial tissue	8.72E-19	2683
	Alfalfa				
Jejunum	hay	Positive	tumorigenesis of tissue	1.46E-18	2722
Jejunum	Alfalfa	Positive	apoptosis	3.41E-18	902

	hay				
	Alfalfa				
Jejunum	hay	Positive	abdominal neoplasm	2.17E-17	2655
	Alfalfa				
Jejunum	hay	Positive	transport of molecule	4.55E-17	582
	Alfalfa				
Jejunum	hay	Positive	microtubule dynamics	5.95E-17	446
	Alfalfa				
Jejunum	hay	Positive	abdominal cancer	1.32E-16	2621
	Alfalfa				
Jejunum	hay	Positive	cellular homeostasis	4.21E-16	549
	Alfalfa				
Jejunum	hay	Positive	cell movement	1.59E-15	732
	Alfalfa				
Jejunum	hay	Positive	cell death of tumor cell lines	3.13E-15	546
	Alfalfa				
Jejunum	hay	Positive	expression of RNA	1.70E-14	732
	Alfalfa				
Jejunum	hay	Positive	digestive system cancer	3.38E-14	2275
	Alfalfa				
Jejunum	hay	Positive	differentiation of cells	6.09E-14	760
	Alfalfa				
Jejunum	hay	Positive	migration of cells	8.82E-14	654
	Alfalfa				
Jejunum	hay	Positive	cell movement of tumor cell lines	1.41E-13	324
	Alfalfa				
Jejunum	hay	Positive	digestive organ tumor	1.67E-13	2289
	Alfalfa				
Jejunum	hay	Positive	formation of cellular protrusions	3.53E-13	339
	Alfalfa				
Jejunum	hay	Positive	transcription	5.55E-13	677
	Alfalfa				
Jejunum	hay	Positive	apoptosis of tumor cell lines	6.51E-13	436
	Alfalfa				
Jejunum	hay	Positive	quantity of cells	1.40E-12	606
	Alfalfa				
Jejunum	hay	Positive	morphology of cardiovascular system	2.07E-12	242
	Alfalfa				
Jejunum	hay	Positive	development of body trunk	3.21E-12	403
	Alfalfa				
Jejunum	hay	Positive	transcription of RNA	6.61E-12	629
	Alfalfa				
Jejunum	hay	Positive	angiogenesis	9.48E-12	334
Jejunum	Alfalfa	Positive	vasculogenesis	1.26E-11	278

	hay				
	Alfalfa				
Jejunum	hay	Positive	Movement Disorders	3.18E-11	380
	Alfalfa				
Jejunum	hay	Positive	Growth Failure	4.12E-11	230
	Alfalfa				
Jejunum	hay	Positive	organization of organelle	8.01E-11	209
	Alfalfa				
Jejunum	hay	Positive	morphology of body cavity	9.00E-11	420
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of cardiovascular system	1.06E-10	218
	Alfalfa				
Jejunum	hay	Positive	size of body	1.11E-10	311
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of thoracic cavity	1.28E-10	224
	Alfalfa				
Jejunum	hay	Positive	cell death of connective tissue cells	1.62E-10	229
	Alfalfa				
Jejunum	hay	Positive	migration of tumor cell lines	1.94E-10	263
	Alfalfa				
Jejunum	hay	Positive	development of vasculature	2.44E-10	166
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of cells	2.56E-10	439
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of body cavity	3.98E-10	400
	Alfalfa				
Jejunum	hay	Positive	neurological signs	5.01E-10	243
	Alfalfa				
Jejunum	hay	Positive	dyskinesia	7.17E-10	231
	Alfalfa				
Jejunum	hay	Positive	cell survival	8.71E-10	475
	Alfalfa				
Jejunum	hay	Positive	development of lymphatic system	1.62E-09	142
	Alfalfa				
Jejunum	hay	Positive	disorder of basal ganglia	2.03E-09	278
	Alfalfa				
Jejunum	hay	Positive	chorea	3.40E-09	215
	Alfalfa				
Jejunum	hay	Positive	Bleeding	3.40E-09	164
	Alfalfa				
Jejunum	hay	Positive	neuromuscular disease	3.42E-09	314
	Alfalfa				
Jejunum	hay	Positive	concentration of lipid	3.44E-09	291
Jejunum	Alfalfa	Positive	Huntington's Disease	3.80E-09	214

	hay				
	Alfalfa				
Jejunum	hay	Positive	quantity of blood cells	3.83E-09	359
	Alfalfa				
Jejunum	hay	Positive	quantity of leukocytes	3.89E-09	324
	Alfalfa				
Jejunum	hay	Positive	behavior	4.02E-09	347
	Alfalfa				
Jejunum	hay	Positive	formation of cytoskeleton	4.78E-09	147
	Alfalfa				
Jejunum	hay	Positive	development of lymphatic system component	4.87E-09	124
	Alfalfa				
Jejunum	hay	Positive	development of blood cells	4.87E-09	239
	Alfalfa				
Jejunum	hay	Positive	invasion of cells	7.02E-09	308
	Alfalfa				
Jejunum	hay	Positive	proliferation of tumor cell lines	7.18E-09	516
	Alfalfa				
Jejunum	hay	Positive	Viral Infection	7.94E-09	535
	Alfalfa				
Jejunum	hay	Positive	growth of organism	7.94E-09	297
	Alfalfa				
Jejunum	hay	Positive	development of leukocytes	8.33E-09	217
	Alfalfa				
Jejunum	hay	Positive	development of cytoplasm	8.48E-09	175
	Alfalfa				
Jejunum	hay	Positive	cell viability	1.00E-08	440
	Alfalfa				
Jejunum	hay	Positive	growth of embryo	1.54E-08	179
	Alfalfa				
Jejunum	hay	Positive	quantity of lymphatic system component	2.40E-08	145
	Alfalfa				
Jejunum	hay	Positive	size of embryo	4.47E-08	137
	Alfalfa				
Jejunum	hay	Positive	autosomal recessive disease	4.47E-08	320
	Alfalfa				
Jejunum	hay	Positive	growth of lesion	4.47E-08	281
	Alfalfa				
Jejunum	hay	Positive	formation of lymphatic system component	5.02E-08	115
	Alfalfa				
Jejunum	hay	Positive	fibrogenesis	5.59E-08	155
	Alfalfa				
Jejunum	hay	Positive	growth of tumor	5.62E-08	280
Jejunum	Alfalfa	Positive	morphology of heart	5.73E-08	153

	hay				
	Alfalfa				
Jejunum	hay	Positive	transcription of DNA	5.73E-08	506
	Alfalfa				
Jejunum	hay	Positive	quantity of lymphoid organ	5.76E-08	120
	Alfalfa				
Jejunum	hay	Positive	formation of muscle	6.01E-08	150
	Alfalfa				
Jejunum	hay	Positive	protein kinase cascade	6.49E-08	158
	Alfalfa				
Jejunum	hay	Positive	formation of filaments	6.89E-08	150
	Alfalfa				
Jejunum	hay	Positive	development of connective tissue	7.17E-08	141
	Alfalfa				
Jejunum	hay	Positive	development of lymphocytes	8.48E-08	201
	Alfalfa				
Jejunum	hay	Positive	development of mononuclear leukocytes	1.04E-07	202
	Alfalfa				
Jejunum	hay	Positive	development of hematopoietic system	1.21E-07	99
	Alfalfa				
Jejunum	hay	Positive	cell cycle progression	1.29E-07	356
	Alfalfa				
Jejunum	hay	Positive	cell movement of endothelial cells	1.53E-07	134
	Alfalfa				
Jejunum	hay	Positive	phosphorylation of protein	1.76E-07	258
	Alfalfa				
Jejunum	hay	Positive	homeostasis of leukocytes	1.79E-07	200
	Alfalfa				
Jejunum	hay	Positive	migration of endothelial cells	2.06E-07	125
	Alfalfa				
Jejunum	hay	Positive	colony formation of cells	2.31E-07	179
	Alfalfa				
Jejunum	hay	Positive	formation of T lymphocytes	2.55E-07	52
	Alfalfa				
Jejunum	hay	Positive	T cell development	2.97E-07	182
	Alfalfa				
Jejunum	hay	Positive	colony formation	3.02E-07	193
	Alfalfa				
Jejunum	hay	Positive	formation of cells	3.16E-07	334
	Alfalfa				
Jejunum	hay	Positive	concentration of fatty acid	3.20E-07	108
	Alfalfa				
Jejunum	hay	Positive	function of leukocytes	3.33E-07	193
Jejunum	Alfalfa	Positive	formation of lymphocytes	4.28E-07	55

	hay				
	Alfalfa				
Jejunum	hay	Positive	Lymphocyte homeostasis	4.33E-07	195
	Alfalfa				
Jejunum	hay	Positive	cell viability of tumor cell lines	5.56E-07	269
	Alfalfa				
Jejunum	hay	Positive	differentiation of blood cells	6.47E-07	289
	Alfalfa				
Jejunum	hay	Positive	formation of lymphoid organ	6.47E-07	102
	Alfalfa				
Jejunum	hay	Positive	development of epithelial tissue	6.63E-07	185
	Alfalfa				
Jejunum	hay	Positive	migration of blood cells	6.68E-07	298
	Alfalfa				
Jejunum	hay	Positive	formation of leukocytes	6.68E-07	66
	Alfalfa				
Jejunum	hay	Positive	activation of DNA endogenous promoter	6.68E-07	401
	Alfalfa				
Jejunum	hay	Positive	congenital anomaly of musculoskeletal system	6.68E-07	255
	Alfalfa				
Jejunum	hay	Positive	morphology of vessel	6.68E-07	116
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of heart	8.08E-07	141
	Alfalfa				
Jejunum	hay	Positive	leukocyte migration	8.08E-07	297
	Alfalfa				
Jejunum	hay	Positive	accumulation of lipid	8.08E-07	113
	Alfalfa				
Jejunum	hay	Positive	proliferation of connective tissue cells	8.20E-07	209
	Alfalfa				
Jejunum	hay	Positive	formation of mononuclear leukocytes	8.24E-07	56
	Alfalfa				
Jejunum	hay	Positive	formation of thymocytes	8.31E-07	47
	Alfalfa				
Jejunum	hay	Positive	formation of thymus gland	8.78E-07	67
	Alfalfa				
Jejunum	hay	Positive	T cell homeostasis	9.04E-07	184
	Alfalfa				
Jejunum	hay	Positive	differentiation of leukocytes	9.15E-07	234
	Alfalfa				
Jejunum	hay	Positive	neuritogenesis	1.20E-06	205
	Alfalfa				
Jejunum	hay	Positive	apoptosis of fibroblast cell lines	1.26E-06	122
Jejunum	Alfalfa	Positive	function of blood cells	1.26E-06	206

	hay				
	Alfalfa				
Jejunum	hay	Positive	learning	1.63E-06	151
	Alfalfa				
Jejunum	hay	Positive	proliferation of neuronal cells	1.70E-06	202
	Alfalfa				
Jejunum	hay	Positive	quantity of thymocytes	1.99E-06	89
	Alfalfa				
Jejunum	hay	Positive	invasion of tumor cell lines	2.02E-06	230
	Alfalfa				
Jejunum	hay	Positive	quantity of mononuclear leukocytes	2.07E-06	252
	Alfalfa				
Jejunum	hay	Positive	cell movement of myeloid cells	2.11E-06	190
	Alfalfa				
Jejunum	hay	Positive	development of hematopoietic progenitor cells	2.19E-06	76
	Alfalfa				
Jejunum	hay	Positive	growth of connective tissue	2.30E-06	223
	Alfalfa				
Jejunum	hay	Positive	perinatal death	2.46E-06	207
	Alfalfa				
Jejunum	hay	Positive	cognition	2.48E-06	162
	Alfalfa				
Jejunum	hay	Positive	autophagy	2.63E-06	136
	Alfalfa				
Jejunum	hay	Positive	cell death of fibroblast cell lines	2.75E-06	153
	Alfalfa				
Jejunum	hay	Positive	quantity of hematopoietic cells	2.88E-06	158
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of abdomen	2.93E-06	295
	Alfalfa				
Jejunum	hay	Positive	metabolism of carbohydrate	2.99E-06	215
	Alfalfa				
Jejunum	hay	Positive	mitosis	3.18E-06	175
	Alfalfa				
Jejunum	hay	Positive	formation of plasma membrane projections	3.22E-06	207
	Alfalfa				
Jejunum	hay	Positive	quantity of carbohydrate	3.22E-06	182
	Alfalfa				
Jejunum	hay	Positive	quantity of lymphocytes	3.23E-06	242
	Alfalfa				
Jejunum	hay	Positive	ion homeostasis of cells	3.52E-06	194
	Alfalfa				
Jejunum	hay	Positive	quantity of hematopoietic progenitor cells	3.70E-06	157
Jejunum	Alfalfa	Positive	formation of actin stress fibers	3.84E-06	91

	hay				
	Alfalfa				
Jejunum	hay	Positive	formation of blood cells	3.93E-06	77
	Alfalfa				
Jejunum	hay	Positive	morphology of blood vessel	4.03E-06	105
	Alfalfa				
Jejunum	hay	Positive	cell transformation	4.03E-06	163
	Alfalfa				
Jejunum	hay	Positive	morphology of connective tissue	4.03E-06	163
	Alfalfa				
Jejunum	hay	Positive	activation of cells	4.19E-06	325
	Alfalfa				
Jejunum	hay	Positive	homing of cells	4.19E-06	194
	Alfalfa				
Jejunum	hay	Positive	mitosis of tumor cell lines	4.41E-06	55
	Alfalfa				
Jejunum	hay	Positive	degeneration of cells	4.45E-06	125
	Alfalfa				
Jejunum	hay	Positive	homing	4.45E-06	199
	Alfalfa				
Jejunum	hay	Positive	cell death of cervical cancer cell lines	4.81E-06	127
	Alfalfa				
Jejunum	hay	Positive	synthesis of carbohydrate	5.04E-06	151
	Alfalfa				
Jejunum	hay	Positive	inflammatory response	5.13E-06	263
	Alfalfa				
Jejunum	hay	Positive	development of cardiovascular tissue	5.13E-06	133
	Alfalfa				
Jejunum	hay	Positive	growth of muscle tissue	5.67E-06	134
	Alfalfa				
Jejunum	hay	Positive	cell movement of leukocytes	5.76E-06	259
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of embryonic tissue	6.03E-06	190
	Alfalfa				
Jejunum	hay	Positive	cell spreading	7.60E-06	102
	Alfalfa				
Jejunum	hay	Positive	morphology of head	7.60E-06	292
	Alfalfa				
Jejunum	hay	Positive	development of neurons	7.81E-06	263
	Alfalfa				
Jejunum	hay	Positive	proliferation of blood cells	9.85E-06	281
	Alfalfa				
Jejunum	hay	Positive	growth of embryonic tissue	1.06E-05	101
Jejunum	Alfalfa	Positive	uptake of monosaccharide	1.10E-05	99

	hay				
	Alfalfa				
Jejunum	hay	Positive	sprouting	1.10E-05	137
	Alfalfa				
Jejunum	hay	Positive	synthesis of lipid	1.11E-05	241
	Alfalfa				
Jejunum	hay	Positive	proliferation of muscle cells	1.15E-05	132
	Alfalfa				
Jejunum	hay	Positive	formation of hematopoietic progenitor cells	1.17E-05	52
	Alfalfa				
Jejunum	hay	Positive	immune response of cells	1.38E-05	196
	Alfalfa				
Jejunum	hay	Positive	cell death of muscle	1.38E-05	123
	Alfalfa				
Jejunum	hay	Positive	development of endothelial tissue	1.40E-05	130
	Alfalfa				
Jejunum	hay	Positive	proliferation of embryonic cell lines	1.44E-05	62
	Alfalfa				
Jejunum	hay	Positive	cell death of muscle cells	1.51E-05	120
	Alfalfa				
Jejunum	hay	Positive	formation of actin filaments	1.53E-05	110
	Alfalfa				
Jejunum	hay	Positive	differentiation of T lymphocytes	1.54E-05	134
	Alfalfa				
Jejunum	hay	Positive	autosomal dominant disease	1.56E-05	216
	Alfalfa				
Jejunum	hay	Positive	adenocarcinoma	1.57E-05	1924
	Alfalfa				
Jejunum	hay	Positive	seizure disorder	1.63E-05	163
	Alfalfa				
Jejunum	hay	Positive	morphology of respiratory system	1.63E-05	112
	Alfalfa				
Jejunum	hay	Positive	cell movement of granulocytes	1.69E-05	131
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of blood vessel	1.72E-05	97
	Alfalfa				
Jejunum	hay	Positive	necrosis of muscle	1.78E-05	122
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of head	1.93E-05	276
	Alfalfa				
Jejunum	hay	Positive	seizures	1.93E-05	140
	Alfalfa				
Jejunum	hay	Positive	uptake of carbohydrate	1.93E-05	105
Jejunum	Alfalfa	Positive	differentiation of connective tissue cells	2.07E-05	217

	hay				
	Alfalfa				
Jejunum	hay	Positive	cell movement of neutrophils	2.12E-05	107
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of respiratory system	2.24E-05	110
	Alfalfa				
Jejunum	hay	Positive	chemotaxis	2.32E-05	186
	Alfalfa				
Jejunum	hay	Positive	proliferation of smooth muscle cells	2.32E-05	103
	Alfalfa				
Jejunum	hay	Positive	endothelial cell development	2.32E-05	125
	Alfalfa				
Jejunum	hay	Positive	cell death of epithelial cell lines	2.36E-05	102
	Alfalfa				
Jejunum	hay	Positive	quantity of connective tissue	2.46E-05	204
	Alfalfa				
Jejunum	hay	Positive	proliferation of embryonic cells	2.51E-05	91
	Alfalfa				
Jejunum	hay	Positive	growth of epithelial tissue	2.57E-05	228
	Alfalfa				
Jejunum	hay	Positive	chemotaxis of cells	2.74E-05	180
	Alfalfa				
Jejunum	hay	Positive	proliferation of endothelial cells	2.80E-05	111
	Alfalfa				
Jejunum	hay	Positive	apoptosis of connective tissue cells	2.80E-05	106
	Alfalfa				
Jejunum	hay	Positive	degeneration of nervous system	3.04E-05	103
	Alfalfa				
Jejunum	hay	Positive	gastrointestinal carcinoma	3.14E-05	1357
	Alfalfa				
Jejunum	hay	Positive	mass of organism	3.31E-05	118
	Alfalfa				
Jejunum	hay	Positive	epileptic seizure	3.34E-05	64
	Alfalfa				
Jejunum	hay	Positive	morphogenesis of neurons	3.47E-05	147
	Alfalfa				
Jejunum	hay	Positive	abdominal adenocarcinoma	3.47E-05	1750
	Alfalfa				
Jejunum	hay	Positive	gastrointestinal tract cancer	3.93E-05	1507
	Alfalfa				
Jejunum	hay	Positive	cell movement of phagocytes	4.00E-05	186
	Alfalfa				
Jejunum	hay	Positive	organization of actin cytoskeleton	4.08E-05	107
Jejunum	Alfalfa	Positive	proliferation of central nervous system cells	4.08E-05	58

	hay				
	Alfalfa				
Jejunum	hay	Positive	benign neoplasia	4.16E-05	302
	Alfalfa				
Jejunum	hay	Positive	small GTPase mediated signal transduction	4.40E-05	69
	Alfalfa				
Jejunum	hay	Positive	apoptosis of epithelial cell lines	4.40E-05	82
	Alfalfa				
Jejunum	hay	Positive	apoptosis of B-lymphocyte derived cell lines	4.75E-05	49
	Alfalfa				
Jejunum	hay	Positive	skin abnormality	5.15E-05	83
	Alfalfa				
Jejunum	hay	Positive	ubiquitination	5.43E-05	118
	Alfalfa				
Jejunum	hay	Positive	differentiation of lymphocytes	5.48E-05	169
	Alfalfa				
Jejunum	hay	Positive	infection by Retroviridae	5.69E-05	238
	Alfalfa				
Jejunum	hay	Positive	proliferation of fibroblasts	5.73E-05	123
	Alfalfa				
Jejunum	hay	Positive	dysgenesis	5.74E-05	182
	Alfalfa				
Jejunum	hay	Positive	differentiation of connective tissue	6.16E-05	241
	Alfalfa				
Jejunum	hay	Positive	fatty acid metabolism	6.16E-05	201
	Alfalfa				
Jejunum	hay	Positive	engulfment of cells	6.38E-05	140
	Alfalfa				
Jejunum	hay	Positive	angiogenesis of lesion	6.38E-05	50
	Alfalfa				
Jejunum	hay	Positive	Hypertrophy	6.39E-05	161
	Alfalfa				
Jejunum	hay	Positive	ubiquitination of protein	6.45E-05	116
	Alfalfa				
Jejunum	hay	Positive	branching of cells	6.60E-05	128
	Alfalfa				
Jejunum	hay	Positive	apoptosis of pheochromocytoma cell lines	6.83E-05	38
	Alfalfa				
Jejunum	hay	Positive	quantity of double-positive thymocyte	6.92E-05	45
	Alfalfa				
Jejunum	hay	Positive	Organ Degeneration	7.12E-05	167
	Alfalfa				
Jejunum	hay	Positive	Hypertension	7.21E-05	213
Jejunum	Alfalfa	Positive	quantity of T lymphocytes	7.44E-05	180

	hay				
	Alfalfa				
Jejunum	hay	Positive	cell death of B-lymphocyte derived cell lines	7.92E-05	50
	Alfalfa				
Jejunum	hay	Positive	peripheral vascular disease	8.18E-05	131
	Alfalfa				
Jejunum	hay	Positive	cell viability of cervical cancer cell lines	8.32E-05	80
	Alfalfa				
Jejunum	hay	Positive	morphogenesis of neurites	8.44E-05	143
	Alfalfa				
Jejunum	hay	Positive	transmembrane potential of mitochondria	8.45E-05	78
	Alfalfa				
Jejunum	hay	Positive	cell death of fibroblasts	8.45E-05	94
	Alfalfa				
Jejunum	hay	Positive	proliferation of hematopoietic progenitor cells	8.55E-05	87
	Alfalfa				
Jejunum	hay	Positive	morphology of blood cells	8.68E-05	142
	Alfalfa				
Jejunum	hay	Positive	proliferation of immune cells	8.68E-05	259
	Alfalfa				
Jejunum	hay	Positive	mitosis of cervical cancer cell lines	8.68E-05	40
	Alfalfa				
Jejunum	hay	Positive	transactivation	8.68E-05	193
	Alfalfa				
Jejunum	hay	Positive	Hypoplasia	8.78E-05	170
	Alfalfa				
Jejunum	hay	Positive	breast or colorectal cancer	8.84E-05	1476
	Alfalfa				
Jejunum	hay	Positive	Neurodegeneration	9.27E-05	108
	Alfalfa				
Jejunum	hay	Positive	breast or ovarian cancer	9.42E-05	592
	Alfalfa				
Jejunum	hay	Positive	Thrombosis	9.68E-05	63
	Alfalfa				
Jejunum	hay	Positive	cartilage development	9.68E-05	55
	Alfalfa				
Jejunum	hay	Positive	cell death of tumor	9.81E-05	131
	Alfalfa				
Jejunum	hay	Positive	morphology of nervous system	9.82E-05	256
	Alfalfa				
Jejunum	hay	Positive	angiogenesis of tumor	9.82E-05	47
	Alfalfa				
Jejunum	hay	Positive	plasticity of synapse	9.82E-05	47
Jejunum	Alfalfa	Positive	movement of vascular endothelial cells	9.88E-05	67

	hay				
	Alfalfa				
Jejunum	hay	Positive	Edema	9.88E-05	119
	Alfalfa				
Jejunum	hay	Positive	development of abdomen	9.99E-05	193
	Alfalfa				
Jejunum	hay	Positive	shape change of tumor cell lines	1.04E-04	58
	Alfalfa				
Jejunum	hay	Positive	Gastrointestinal Tract Cancer and Tumors	1.06E-04	1524
	Alfalfa				
Jejunum	hay	Positive	morphology of muscle	1.10E-04	116
	Alfalfa				
Jejunum	hay	Positive	formation of lung	1.13E-04	105
	Alfalfa				
Jejunum	hay	Positive	polymerization of protein	1.13E-04	127
	Alfalfa				
Jejunum	hay	Positive	mass of connective tissue	1.15E-04	73
	Alfalfa				
Jejunum	hay	Positive	neuronal cell death	1.21E-04	224
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of epithelial tissue	1.26E-04	142
	Alfalfa				
Jejunum	hay	Positive	bleeding of liver	1.26E-04	18
	Alfalfa				
Jejunum	hay	Positive	proliferation of hematopoietic cells	1.35E-04	90
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of nervous system	1.36E-04	237
	Alfalfa				
Jejunum	hay	Positive	I-kappaB kinase/NF-kappaB cascade	1.36E-04	64
	Alfalfa				
Jejunum	hay	Positive	HIV infection	1.43E-04	233
	Alfalfa				
Jejunum	hay	Positive	differentiation of muscle cell lines	1.58E-04	60
	Alfalfa				
Jejunum	hay	Positive	function of cardiovascular system	1.65E-04	126
	Alfalfa				
Jejunum	hay	Positive	development of head	1.75E-04	314
	Alfalfa				
Jejunum	hay	Positive	outgrowth of cells	1.76E-04	146
	Alfalfa				
Jejunum	hay	Positive	endocytosis	1.83E-04	118
	Alfalfa				
Jejunum	hay	Positive	apoptosis of cervical cancer cell lines	1.83E-04	98
Jejunum	Alfalfa	Positive	activation of blood cells	1.83E-04	243

	hay				
	Alfalfa				
Jejunum	hay	Positive	migration of cancer cells	1.93E-04	70
	Alfalfa				
Jejunum	hay	Positive	cell movement of tumor cells	1.95E-04	67
	Alfalfa				
Jejunum	hay	Positive	hepatocellular carcinoma	1.95E-04	1247
	Alfalfa				
Jejunum	hay	Positive	necrosis of tumor	1.99E-04	129
	Alfalfa				
Jejunum	hay	Positive	binding of DNA	1.99E-04	173
	Alfalfa				
Jejunum	hay	Positive	metabolism of protein	1.99E-04	311
	Alfalfa				
Jejunum	hay	Positive	genital tumor	2.04E-04	1205
	Alfalfa				
Jejunum	hay	Positive	cellular degradation	2.07E-04	89
	Alfalfa				
Jejunum	hay	Positive	differentiation of mononuclear leukocytes	2.09E-04	179
	Alfalfa				
Jejunum	hay	Positive	cell death of breast cancer cell lines	2.09E-04	114
	Alfalfa				
Jejunum	hay	Positive	synthesis of reactive oxygen species	2.12E-04	160
	Alfalfa				
Jejunum	hay	Positive	cell death of pheochromocytoma cell lines	2.23E-04	46
	Alfalfa				
Jejunum	hay	Positive	cell death of heart cells	2.32E-04	78
	Alfalfa				
Jejunum	hay	Positive	outgrowth of plasma membrane projections	2.32E-04	137
	Alfalfa				
Jejunum	hay	Positive	metastasis	2.38E-04	246
	Alfalfa				
Jejunum	hay	Positive	vascularization	2.39E-04	83
	Alfalfa				
Jejunum	hay	Positive	outgrowth of neurites	2.42E-04	136
	Alfalfa				
Jejunum	hay	Positive	autophagy of cells	2.45E-04	92
	Alfalfa				
Jejunum	hay	Positive	transport of alpha-amino acid	2.45E-04	30
	Alfalfa				
Jejunum	hay	Positive	synthesis of DNA	2.45E-04	140
	Alfalfa				
Jejunum	hay	Positive	apoptosis of muscle	2.51E-04	91
Jejunum	Alfalfa	Positive	cell death of stem cells	2.59E-04	34

	hay				
	Alfalfa				
Jejunum	hay	Positive	mass of adipose tissue	2.61E-04	68
	Alfalfa				
Jejunum	hay	Positive	hypoplasia of organ	2.62E-04	149
	Alfalfa				
Jejunum	hay	Positive	cardiogenesis	2.62E-04	157
	Alfalfa				
Jejunum	hay	Positive	proliferation of mononuclear leukocytes	2.65E-04	239
	Alfalfa				
Jejunum	hay	Positive	infection by RNA virus	2.65E-04	278
	Alfalfa				
Jejunum	hay	Positive	ruffling	2.66E-04	42
	Alfalfa				
Jejunum	hay	Positive	quantity of metal	2.81E-04	165
	Alfalfa				
Jejunum	hay	Positive	proliferation of epithelial cell lines	2.82E-04	81
	Alfalfa				
Jejunum	hay	Positive	liver tumor	2.83E-04	1292
	Alfalfa				
Jejunum	hay	Positive	organization of filaments	2.83E-04	73
	Alfalfa				
Jejunum	hay	Positive	neurodegeneration of cerebral cortex	2.89E-04	25
	Alfalfa				
Jejunum	hay	Positive	morphology of cardiovascular tissue	2.89E-04	35
	Alfalfa				
Jejunum	hay	Positive	cell death of neuroblastoma cell lines	2.97E-04	69
	Alfalfa				
Jejunum	hay	Positive	development of body axis	2.99E-04	333
	Alfalfa				
Jejunum	hay	Positive	cell death of melanoma cell lines	3.15E-04	87
	Alfalfa				
Jejunum	hay	Positive	liver cancer	3.16E-04	1283
	Alfalfa				
Jejunum	hay	Positive	abdominal carcinoma	3.16E-04	1760
	Alfalfa				
Jejunum	hay	Positive	proliferation of lymphocytes	3.16E-04	235
	Alfalfa				
Jejunum	hay	Positive	advanced malignant tumor	3.20E-04	271
	Alfalfa				
Jejunum	hay	Positive	apoptosis of muscle cells	3.25E-04	90
	Alfalfa				
Jejunum	hay	Positive	export of molecule	3.26E-04	101
Jejunum	Alfalfa	Positive	metabolism of reactive oxygen species	3.26E-04	165

	hay				
	Alfalfa				
Jejunum	hay	Positive	intracranial hemorrhage	3.27E-04	52
	Alfalfa				
Jejunum	hay	Positive	morphology of lymphatic system component	3.30E-04	139
	Alfalfa				
Jejunum	hay	Positive	congenital malformation of skeleton	3.31E-04	141
	Alfalfa				
Jejunum	hay	Positive	memory	3.31E-04	89
	Alfalfa				
Jejunum	hay	Positive	cell death of tumor cells	3.33E-04	125
	Alfalfa				
Jejunum	hay	Positive	secretory pathway	3.34E-04	70
	Alfalfa				
Jejunum	hay	Positive	transport of carbohydrate	3.38E-04	69
	Alfalfa				
Jejunum	hay	Positive	homeostasis of ion	3.41E-04	83
	Alfalfa				
Jejunum	hay	Positive	proliferation of T lymphocytes	3.57E-04	197
	Alfalfa				
Jejunum	hay	Positive	cell death of embryonic cells	3.64E-04	44
	Alfalfa				
Jejunum	hay	Positive	apoptosis of carcinoma cell lines	3.69E-04	85
	Alfalfa				
Jejunum	hay	Positive	differentiation of tumor cell lines	3.73E-04	127
	Alfalfa				
Jejunum	hay	Positive	female genital tract serous cancer	3.78E-04	129
	Alfalfa				
Jejunum	hay	Positive	necrosis of epithelial tissue	3.87E-04	192
	Alfalfa				
Jejunum	hay	Positive	degeneration of neurons	3.89E-04	83
	Alfalfa				
Jejunum	hay	Positive	hepatobiliary system cancer	3.91E-04	1287
	Alfalfa				
Jejunum	hay	Positive	survival of organism	3.91E-04	227
	Alfalfa				
Jejunum	hay	Positive	reorganization of cytoskeleton	3.95E-04	68
	Alfalfa				
Jejunum	hay	Positive	gastrointestinal adenocarcinoma	4.04E-04	1266
	Alfalfa				
Jejunum	hay	Positive	cleavage of cells	4.08E-04	56
	Alfalfa				
Jejunum	hay	Positive	congenital anomaly of skin	4.08E-04	64
Jejunum	Alfalfa	Positive	formation of muscle cells	4.08E-04	64

	hay				
	Alfalfa				
Jejunum	hay	Positive	migration of vascular endothelial cells	4.13E-04	60
	Alfalfa				
Jejunum	hay	Positive	mammary tumor	4.14E-04	505
	Alfalfa				
Jejunum	hay	Positive	synthesis of glycosaminoglycan	4.17E-04	34
	Alfalfa				
Jejunum	hay	Positive	cancer of secretory structure	4.17E-04	601
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of digestive system	4.25E-04	178
	Alfalfa				
Jejunum	hay	Positive	apoptosis of breast cancer cell lines	4.42E-04	98
	Alfalfa				
Jejunum	hay	Positive	concentration of phosphatidic acid	4.42E-04	50
	Alfalfa				
Jejunum	hay	Positive	uptake of D-glucose	4.42E-04	77
	Alfalfa				
Jejunum	hay	Positive	respiratory system development	4.42E-04	115
	Alfalfa				
Jejunum	hay	Positive	serous neoplasm	4.47E-04	198
	Alfalfa				
Jejunum	hay	Positive	growth of lymphatic system component	4.50E-04	68
	Alfalfa				
Jejunum	hay	Positive	melanoma	4.70E-04	1940
	Alfalfa				
Jejunum	hay	Positive	interphase	4.77E-04	212
	Alfalfa				
Jejunum	hay	Positive	consumption of oxygen	4.77E-04	56
	Alfalfa				
Jejunum	hay	Positive	long-term potentiation	4.77E-04	84
	Alfalfa				
Jejunum	hay	Positive	cell death of heart	4.78E-04	79
	Alfalfa				
Jejunum	hay	Positive	activation of leukocytes	4.79E-04	225
	Alfalfa				
Jejunum	hay	Positive	cell movement of carcinoma cell lines	4.85E-04	72
	Alfalfa				
Jejunum	hay	Positive	migration of tumor cells	4.88E-04	78
	Alfalfa				
Jejunum	hay	Positive	cytopenia	4.89E-04	101
	Alfalfa				
Jejunum	hay	Positive	proliferation of embryoblast	5.02E-04	13
Jejunum	Alfalfa	Positive	cell death of carcinoma cell lines	5.04E-04	97

	hay				
	Alfalfa				
Jejunum	hay	Positive	formation of vascular lesion	5.07E-04	43
	Alfalfa				
Jejunum	hay	Positive	occlusion of artery	5.09E-04	156
	Alfalfa				
Jejunum	hay	Positive	metastatic colorectal cancer	5.15E-04	68
	Alfalfa				
Jejunum	hay	Positive	differentiation of bone	5.16E-04	136
	Alfalfa				
Jejunum	hay	Positive	prostatic disease	5.16E-04	312
	Alfalfa				
Jejunum	hay	Positive	quantity of metal ion	5.16E-04	146
	Alfalfa				
Jejunum	hay	Positive	cell death of blood cells	5.16E-04	223
	Alfalfa				
Jejunum	hay	Positive	exocytosis	5.16E-04	67
	Alfalfa				
Jejunum	hay	Positive	differentiation of epithelial tissue	5.26E-04	120
	Alfalfa				
Jejunum	hay	Positive	morphology of leukocytes	5.28E-04	115
	Alfalfa				
Jejunum	hay	Positive	Oral Cancer and Tumors	5.32E-04	79
	Alfalfa				
Jejunum	hay	Positive	synthesis of protein	5.35E-04	147
	Alfalfa				
Jejunum	hay	Positive	size of lesion	5.45E-04	87
	Alfalfa				
Jejunum	hay	Positive	transport of monosaccharide	5.50E-04	57
	Alfalfa				
Jejunum	hay	Positive	function of myeloid cells	5.57E-04	82
	Alfalfa				
Jejunum	hay	Positive	vaso-occlusion	5.65E-04	157
	Alfalfa				
Jejunum	hay	Positive	growth of plasma membrane projections	5.73E-04	153
	Alfalfa				
Jejunum	hay	Positive	concentration of Ca ²⁺	5.75E-04	47
	Alfalfa				
Jejunum	hay	Positive	apoptosis of muscle cell lines	5.84E-04	27
	Alfalfa				
Jejunum	hay	Positive	cell spreading of fibroblast cell lines	5.84E-04	24
	Alfalfa				
Jejunum	hay	Positive	transport of ion	5.84E-04	165
Jejunum	Alfalfa	Positive	male genital neoplasm	5.84E-04	326

	hay				
	Alfalfa				
Jejunum	hay	Positive	function of phagocytes	6.16E-04	103
	Alfalfa				
Jejunum	hay	Positive	size of animal	6.24E-04	63
	Alfalfa				
Jejunum	hay	Positive	morphology of airway	6.26E-04	14
	Alfalfa				
Jejunum	hay	Positive	cell viability of carcinoma cell lines	6.27E-04	52
	Alfalfa				
Jejunum	hay	Positive	transport of D-glucose	6.27E-04	52
	Alfalfa				
Jejunum	hay	Positive	morphology of digestive system	6.28E-04	185
	Alfalfa				
Jejunum	hay	Positive	morphology of pulmonary alveolus	6.28E-04	44
	Alfalfa				
Jejunum	hay	Positive	cytostasis of tumor cell lines	6.40E-04	57
	Alfalfa				
Jejunum	hay	Positive	metabolism of nucleotide	6.60E-04	144
	Alfalfa				
Jejunum	hay	Positive	growth of thymus gland	6.66E-04	37
	Alfalfa				
Jejunum	hay	Positive	cell death of epithelial cells	6.67E-04	162
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of muscle	6.71E-04	106
	Alfalfa				
Jejunum	hay	Positive	bleeding of brain	6.89E-04	28
	Alfalfa				
Jejunum	hay	Positive	muscle tumor	6.91E-04	120
	Alfalfa				
Jejunum	hay	Positive	arthropathy	6.91E-04	300
	Alfalfa				
Jejunum	hay	Positive	oral cancer	6.95E-04	78
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of conducting airway	7.05E-04	12
	Alfalfa				
Jejunum	hay	Positive	accumulation of cells	7.07E-04	117
	Alfalfa				
Jejunum	hay	Positive	occlusion of blood vessel	7.07E-04	157
	Alfalfa				
Jejunum	hay	Positive	dysmyelination	7.09E-04	49
	Alfalfa				
Jejunum	hay	Positive	differentiation of bone cells	7.15E-04	134
Jejunum	Alfalfa	Positive	growth of neurites	7.24E-04	151

	hay				
	Alfalfa				
Jejunum	hay	Positive	arthritis	7.24E-04	295
	Alfalfa				
Jejunum	hay	Positive	Prostate Cancer and Tumors	7.28E-04	306
	Alfalfa				
Jejunum	hay	Positive	cell movement of cancer cells	7.37E-04	53
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of artery	7.38E-04	54
	Alfalfa				
Jejunum	hay	Positive	death of embryo	7.38E-04	54
	Alfalfa				
Jejunum	hay	Positive	proliferation of hepatoma cell lines	7.38E-04	69
	Alfalfa				
Jejunum	hay	Positive	epilepsy	7.38E-04	103
	Alfalfa				
Jejunum	hay	Positive	transactivation of RNA	7.43E-04	176
	Alfalfa				
Jejunum	hay	Positive	morphology of heart ventricle	7.67E-04	67
	Alfalfa				
Jejunum	hay	Positive	peripheral arterial disease	7.76E-04	73
	Alfalfa				
Jejunum	hay	Positive	apoptosis of heart cells	7.79E-04	66
	Alfalfa				
Jejunum	hay	Positive	neurodegeneration of hippocampus	7.93E-04	19
	Alfalfa				
Jejunum	hay	Positive	oral tumor	7.97E-04	101
	Alfalfa				
Jejunum	hay	Positive	concentration of phospholipid	8.02E-04	64
	Alfalfa				
Jejunum	hay	Positive	morphology of lymphoid organ	8.02E-04	129
	Alfalfa				
Jejunum	hay	Positive	accumulation of blood cells	8.32E-04	94
	Alfalfa				
Jejunum	hay	Positive	morphology of spleen	8.32E-04	94
	Alfalfa				
Jejunum	hay	Positive	proliferation of tumor cells	8.32E-04	153
	Alfalfa				
Jejunum	hay	Positive	attachment of cells	8.32E-04	49
	Alfalfa				
Jejunum	hay	Positive	migration of carcinoma cell lines	8.37E-04	60
	Alfalfa				
Jejunum	hay	Positive	replication of virus	8.49E-04	181
Jejunum	Alfalfa	Positive	hypertrophy of heart	8.50E-04	112

	hay				
	Alfalfa				
Jejunum	hay	Positive	branching of neurons	8.57E-04	96
	Alfalfa				
Jejunum	hay	Positive	replication of RNA virus	8.74E-04	164
	Alfalfa				
Jejunum	hay	Positive	differentiation of endothelial cells	8.85E-04	30
	Alfalfa				
Jejunum	hay	Positive	demyelination	9.01E-04	44
	Alfalfa				
Jejunum	hay	Positive	multiple congenital anomalies	9.06E-04	138
	Alfalfa				
Jejunum	hay	Positive	malignant gallbladder neoplasia	9.06E-04	13
	Alfalfa				
Jejunum	hay	Positive	proliferation of embryonic stem cell lines	9.06E-04	13
	Alfalfa				
Jejunum	hay	Positive	flux of ion	9.40E-04	107
	Alfalfa				
Jejunum	hay	Positive	transformation of fibroblast cell lines	9.40E-04	87
	Alfalfa				
Jejunum	hay	Positive	cell death of myeloma cell lines	9.40E-04	36
	Alfalfa				
Jejunum	hay	Positive	benign neoplasm of female genital organ	9.42E-04	139
	Alfalfa				
Jejunum	hay	Positive	branching of neurites	9.52E-04	93
	Alfalfa				
Jejunum	hay	Positive	hereditary neoplastic syndrome	9.67E-04	60
	Alfalfa				
Jejunum	hay	Positive	morphology of artery	1.01E-03	55
	Alfalfa				
Jejunum	hay	Positive	neonatal death	1.02E-03	143
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of pulmonary alveolus	1.02E-03	42
	Alfalfa				
Jejunum	hay	Positive	morphology of lung	1.04E-03	65
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of bone	1.07E-03	142
	Alfalfa				
Jejunum	hay	Positive	size of cells	1.07E-03	140
	Alfalfa				
Jejunum	hay	Positive	G2 phase of fibroblasts	1.07E-03	14
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of lymphoid organ	1.08E-03	124
Jejunum	Alfalfa	Positive	apoptosis of myeloma cell lines	1.09E-03	32

	hay				
	Alfalfa				
Jejunum	hay	Positive	morphology of endothelial tissue	1.09E-03	32
	Alfalfa				
Jejunum	hay	Positive	morphology of axial skeleton	1.09E-03	69
	Alfalfa				
Jejunum	hay	Positive	quantity of IgG2a	1.11E-03	39
	Alfalfa				
Jejunum	hay	Positive	cell death of cardiomyocytes	1.13E-03	73
	Alfalfa				
Jejunum	hay	Positive	morphology of bone	1.13E-03	146
	Alfalfa				
Jejunum	hay	Positive	anemia	1.14E-03	114
	Alfalfa				
Jejunum	hay	Positive	Emery-Dreifuss muscular dystrophy	1.14E-03	26
	Alfalfa				
Jejunum	hay	Positive	transport of L-amino acid	1.14E-03	26
	Alfalfa				
Jejunum	hay	Positive	formation of filopodia	1.14E-03	58
	Alfalfa				
Jejunum	hay	Positive	autophosphorylation of protein	1.16E-03	56
	Alfalfa				
Jejunum	hay	Positive	influx of inorganic cation	1.16E-03	66
	Alfalfa				
Jejunum	hay	Positive	secretion of molecule	1.16E-03	177
	Alfalfa				
Jejunum	hay	Positive	metabolism of DNA	1.17E-03	130
	Alfalfa				
Jejunum	hay	Positive	autosomal dominant myopathy	1.17E-03	33
	Alfalfa				
Jejunum	hay	Positive	MAPKKK cascade	1.21E-03	70
	Alfalfa				
Jejunum	hay	Positive	medullary carcinoma	1.22E-03	16
	Alfalfa				
Jejunum	hay	Positive	cell viability of lung cancer cell lines	1.22E-03	42
	Alfalfa				
Jejunum	hay	Positive	flux of inorganic cation	1.22E-03	100
	Alfalfa				
Jejunum	hay	Positive	apoptosis of fibroblasts	1.23E-03	74
	Alfalfa				
Jejunum	hay	Positive	necrosis of cardiac muscle	1.23E-03	74
	Alfalfa				
Jejunum	hay	Positive	malignant neoplasm of male genital organ	1.23E-03	310
Jejunum	Alfalfa	Positive	shape change of neurons	1.23E-03	97

	hay				
	Alfalfa				
Jejunum	hay	Positive	transport of carboxylic acid	1.25E-03	43
	Alfalfa				
Jejunum	hay	Positive	formation of skin	1.26E-03	120
	Alfalfa				
Jejunum	hay	Positive	invasion of tissue	1.28E-03	67
	Alfalfa				
Jejunum	hay	Positive	oral cavity carcinoma	1.28E-03	67
	Alfalfa				
Jejunum	hay	Positive	cell death of fibrosarcoma cell lines	1.29E-03	29
	Alfalfa				
Jejunum	hay	Positive	morphology of aorta	1.30E-03	27
	Alfalfa				
Jejunum	hay	Positive	fertility	1.31E-03	119
	Alfalfa				
Jejunum	hay	Positive	synthesis of fatty acid	1.32E-03	103
	Alfalfa				
Jejunum	hay	Positive	synthesis of nitric oxide	1.34E-03	92
	Alfalfa				
Jejunum	hay	Positive	mixed papillary and follicular thyroid cancer	1.34E-03	10
	Alfalfa				
Jejunum	hay	Positive	abnormal morphology of spleen	1.34E-03	89
	Alfalfa				
Jejunum	hay	Positive	smooth muscle tumor	1.34E-03	100
	Alfalfa				
Jejunum	hay	Positive	function of muscle	1.34E-03	114
	Alfalfa				
Jejunum	hay	Positive	ploidy of cells	1.34E-03	49
	Alfalfa				
Jejunum	hay	Positive	cell death of embryonic stem cells	1.42E-03	21
	Alfalfa				
Jejunum	hay	Positive	flux of cation	1.42E-03	101
	Alfalfa				
Jejunum	hay	Positive	connective or soft tissue tumor	1.42E-03	223
	Alfalfa				
Jejunum	hay	Positive	oral squamous cell carcinoma	1.44E-03	61
	Alfalfa				
Jejunum	hay	Positive	quantity of immunoglobulin	1.45E-03	98
	Alfalfa				
Jejunum	hay	Positive	breast cancer	1.45E-03	466
	Alfalfa				
Jejunum	hay	Positive	laminopathy	1.48E-03	28
Jejunum	Alfalfa	Positive	morphology of lymphocytes	1.49E-03	66

	hay				
	Alfalfa				
Jejunum	hay	Positive	malignant neoplasm of endocrine gland	1.51E-03	102
	Alfalfa				
Jejunum	hay	Positive	metastatic gastrointestinal tract cancer	1.51E-03	75
	Alfalfa				
Jejunum	hay	Negative	proliferation of cells	2.10E-29	1198
	Alfalfa				
Jejunum	hay	Negative	cell death	7.03E-28	1091
	Alfalfa				
Jejunum	hay	Negative	malignant solid tumor	5.07E-25	2994
	Alfalfa				
Jejunum	hay	Negative	cancer	2.48E-24	3023
	Alfalfa				
Jejunum	hay	Negative	necrosis	1.31E-22	850
	Alfalfa				
Jejunum	hay	Negative	organization of cytoplasm	6.17E-22	546
	Alfalfa				
Jejunum	hay	Negative	transport of molecule	1.39E-21	568
	Alfalfa				
Jejunum	hay	Negative	cell movement	3.91E-21	716
	Alfalfa				
Jejunum	hay	Negative	morphology of cells	4.18E-21	663
	Alfalfa				
Jejunum	hay	Negative	apoptosis	7.30E-21	860
	Alfalfa				
Jejunum	hay	Negative	organismal death	7.28E-20	785
	Alfalfa				
Jejunum	hay	Negative	morbidity or mortality	1.87E-19	792
	Alfalfa				
Jejunum	hay	Negative	cell survival	3.50E-18	488
	Alfalfa				
Jejunum	hay	Negative	organization of cytoskeleton	7.97E-18	487
	Alfalfa				
Jejunum	hay	Negative	cell viability	1.22E-17	458
	Alfalfa				
Jejunum	hay	Negative	migration of cells	4.82E-17	631
	Alfalfa				
Jejunum	hay	Negative	cellular homeostasis	8.29E-16	515
	Alfalfa				
Jejunum	hay	Negative	differentiation of cells	2.09E-15	721
	Alfalfa				
Jejunum	hay	Negative	neoplasia of epithelial tissue	3.13E-14	2467
Jejunum	Alfalfa	Negative	tumorigenesis of tissue	5.42E-14	2503

	hay				
	Alfalfa				
Jejunum	hay	Negative	microtubule dynamics	1.16E-13	406
	Alfalfa				
Jejunum	hay	Negative	expression of RNA	1.54E-13	681
	Alfalfa				
Jejunum	hay	Negative	epithelial cancer	2.13E-13	2439
	Alfalfa				
Jejunum	hay	Negative	transcription	3.87E-13	636
	Alfalfa				
Jejunum	hay	Negative	transcription of RNA	4.23E-13	597
	Alfalfa				
Jejunum	hay	Negative	quantity of cells	5.54E-13	571
	Alfalfa				
Jejunum	hay	Negative	abdominal neoplasm	3.43E-12	2434
	Alfalfa				
Jejunum	hay	Negative	development of cytoplasm	5.01E-12	177
	Alfalfa				
Jejunum	hay	Negative	angiogenesis	5.01E-12	316
	Alfalfa				
Jejunum	hay	Negative	vasculogenesis	5.01E-12	264
	Alfalfa				
Jejunum	hay	Negative	concentration of lipid	7.87E-12	286
	Alfalfa				
Jejunum	hay	Negative	abdominal cancer	2.88E-11	2400
	Alfalfa				
Jejunum	hay	Negative	formation of cytoskeleton	4.39E-11	146
	Alfalfa				
Jejunum	hay	Negative	transcription of DNA	4.75E-11	494
	Alfalfa				
Jejunum	hay	Negative	organization of organelle	6.36E-11	198
	Alfalfa				
Jejunum	hay	Negative	cell movement of tumor cell lines	1.33E-10	293
	Alfalfa				
Jejunum	hay	Negative	invasion of cells	1.65E-10	298
	Alfalfa				
Jejunum	hay	Negative	Movement Disorders	1.65E-10	354
	Alfalfa				
Jejunum	hay	Negative	proliferation of tumor cell lines	1.86E-10	494
	Alfalfa				
Jejunum	hay	Negative	quantity of leukocytes	2.35E-10	311
	Alfalfa				
Jejunum	hay	Negative	cell death of tumor cell lines	3.54E-10	486
Jejunum	Alfalfa	Negative	formation of filaments	3.73E-10	150

	hay				
	Alfalfa				
Jejunum	hay	Negative	fibrogenesis	4.89E-10	154
	Alfalfa				
Jejunum	hay	Negative	quantity of blood cells	5.48E-10	342
	Alfalfa				
Jejunum	hay	Negative	cell viability of tumor cell lines	1.67E-09	266
	Alfalfa				
Jejunum	hay	Negative	neuronal cell death	2.13E-09	236
	Alfalfa				
Jejunum	hay	Negative	synthesis of lipid	2.13E-09	246
	Alfalfa				
Jejunum	hay	Negative	size of body	2.13E-09	287
	Alfalfa				
Jejunum	hay	Negative	protein kinase cascade	2.15E-09	155
	Alfalfa				
Jejunum	hay	Negative	transactivation	2.32E-09	204
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of cells	2.32E-09	407
	Alfalfa				
Jejunum	hay	Negative	formation of cellular protrusions	2.37E-09	302
	Alfalfa				
Jejunum	hay	Negative	dyskinesia	6.94E-09	214
	Alfalfa				
Jejunum	hay	Negative	growth of connective tissue	8.29E-09	222
	Alfalfa				
Jejunum	hay	Negative	cell movement of myeloid cells	8.29E-09	190
	Alfalfa				
Jejunum	hay	Negative	disorder of basal ganglia	8.29E-09	259
	Alfalfa				
Jejunum	hay	Negative	neurological signs	8.61E-09	224
	Alfalfa				
Jejunum	hay	Negative	migration of blood cells	1.10E-08	290
	Alfalfa				
Jejunum	hay	Negative	cell movement of phagocytes	1.29E-08	192
	Alfalfa				
Jejunum	hay	Negative	leukocyte migration	1.41E-08	289
	Alfalfa				
Jejunum	hay	Negative	quantity of carbohydrate	1.55E-08	182
	Alfalfa				
Jejunum	hay	Negative	neuromuscular disease	1.55E-08	292
	Alfalfa				
Jejunum	hay	Negative	proliferation of connective tissue cells	1.55E-08	205
Jejunum	Alfalfa	Negative	homing of cells	1.72E-08	194

	hay				
	Alfalfa				
Jejunum	hay	Negative	Viral Infection	1.89E-08	499
	Alfalfa				
Jejunum	hay	Negative	morphology of body cavity	2.29E-08	381
	Alfalfa				
Jejunum	hay	Negative	transactivation of RNA	2.44E-08	189
	Alfalfa				
Jejunum	hay	Negative	concentration of fatty acid	2.44E-08	106
	Alfalfa				
Jejunum	hay	Negative	formation of actin filaments	2.54E-08	114
	Alfalfa				
Jejunum	hay	Negative	digestive organ tumor	3.02E-08	2084
	Alfalfa				
Jejunum	hay	Negative	development of cardiovascular tissue	3.94E-08	134
	Alfalfa				
Jejunum	hay	Negative	chemotaxis of cells	4.15E-08	183
	Alfalfa				
Jejunum	hay	Negative	homing	4.77E-08	197
	Alfalfa				
Jejunum	hay	Negative	cell movement of leukocytes	4.88E-08	255
	Alfalfa				
Jejunum	hay	Negative	digestive system cancer	5.27E-08	2063
	Alfalfa				
Jejunum	hay	Negative	Organ Degeneration	5.44E-08	172
	Alfalfa				
Jejunum	hay	Negative	formation of actin stress fibers	6.05E-08	92
	Alfalfa				
Jejunum	hay	Negative	phosphorylation of protein	6.36E-08	245
	Alfalfa				
Jejunum	hay	Negative	cell death of connective tissue cells	6.83E-08	205
	Alfalfa				
Jejunum	hay	Negative	apoptosis of tumor cell lines	8.24E-08	382
	Alfalfa				
Jejunum	hay	Negative	chemotaxis	8.48E-08	187
	Alfalfa				
Jejunum	hay	Negative	Huntington's Disease	8.49E-08	196
	Alfalfa				
Jejunum	hay	Negative	metabolism of carbohydrate	8.71E-08	210
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of body cavity	9.59E-08	362
	Alfalfa				
Jejunum	hay	Negative	migration of tumor cell lines	1.21E-07	235
Jejunum	Alfalfa	Negative	development of endothelial tissue	1.21E-07	131

	hay				
	Alfalfa				
Jejunum	hay	Negative	development of body trunk	1.30E-07	354
	Alfalfa				
Jejunum	hay	Negative	endothelial cell development	1.31E-07	127
	Alfalfa				
Jejunum	hay	Negative	invasion of tumor cell lines	1.62E-07	222
	Alfalfa				
Jejunum	hay	Negative	morphology of cardiovascular system	1.88E-07	208
	Alfalfa				
Jejunum	hay	Negative	engulfment of cells	1.97E-07	143
	Alfalfa				
Jejunum	hay	Negative	inflammatory response	2.21E-07	255
	Alfalfa				
Jejunum	hay	Negative	seizure disorder	2.45E-07	162
	Alfalfa				
Jejunum	hay	Negative	development of epithelial tissue	2.91E-07	176
	Alfalfa				
Jejunum	hay	Negative	endocytosis	2.97E-07	123
	Alfalfa				
Jejunum	hay	Negative	secretory pathway	3.58E-07	76
	Alfalfa				
Jejunum	hay	Negative	cell cycle progression	4.38E-07	331
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of thoracic cavity	5.22E-07	196
	Alfalfa				
Jejunum	hay	Negative	exocytosis	7.02E-07	73
	Alfalfa				
Jejunum	hay	Negative	uptake of monosaccharide	7.15E-07	98
	Alfalfa				
Jejunum	hay	Negative	development of vasculature	8.95E-07	144
	Alfalfa				
Jejunum	hay	Negative	seizures	9.16E-07	138
	Alfalfa				
Jejunum	hay	Negative	quantity of mononuclear leukocytes	9.17E-07	239
	Alfalfa				
Jejunum	hay	Negative	activation of DNA endogenous promoter	9.76E-07	375
	Alfalfa				
Jejunum	hay	Negative	degeneration of nervous system	1.06E-06	103
	Alfalfa				
Jejunum	hay	Negative	growth of organism	1.09E-06	268
	Alfalfa				
Jejunum	hay	Negative	development of connective tissue	1.09E-06	129
Jejunum	Alfalfa	Negative	necrosis of epithelial tissue	1.12E-06	195

	hay				
	Alfalfa				
Jejunum	hay	Negative	behavior	1.14E-06	312
	Alfalfa				
Jejunum	hay	Negative	long-term potentiation	1.43E-06	89
	Alfalfa				
Jejunum	hay	Negative	proliferation of blood cells	1.51E-06	269
	Alfalfa				
Jejunum	hay	Negative	ion homeostasis of cells	2.15E-06	184
	Alfalfa				
Jejunum	hay	Negative	invasion of carcinoma cell lines	2.28E-06	74
	Alfalfa				
Jejunum	hay	Negative	uptake of carbohydrate	2.28E-06	103
	Alfalfa				
Jejunum	hay	Negative	learning	2.34E-06	142
	Alfalfa				
Jejunum	hay	Negative	cognition	2.40E-06	153
	Alfalfa				
Jejunum	hay	Negative	function of leukocytes	2.40E-06	178
	Alfalfa				
Jejunum	hay	Negative	perinatal death	2.45E-06	195
	Alfalfa				
Jejunum	hay	Negative	interphase	2.84E-06	213
	Alfalfa				
Jejunum	hay	Negative	quantity of lymphocytes	2.90E-06	228
	Alfalfa				
Jejunum	hay	Negative	cell movement of fibroblasts	2.90E-06	69
	Alfalfa				
Jejunum	hay	Negative	hypersensitive reaction	2.95E-06	145
	Alfalfa				
Jejunum	hay	Negative	formation of plasma membrane projections	3.23E-06	195
	Alfalfa				
Jejunum	hay	Negative	neuritogenesis	3.24E-06	191
	Alfalfa				
Jejunum	hay	Negative	cell movement of connective tissue cells	3.76E-06	81
	Alfalfa				
Jejunum	hay	Negative	cell death of blood cells	4.18E-06	223
	Alfalfa				
Jejunum	hay	Negative	activation of cells	4.50E-06	305
	Alfalfa				
Jejunum	hay	Negative	quantity of metal	4.50E-06	165
	Alfalfa				
Jejunum	hay	Negative	morphology of heart	4.55E-06	137
Jejunum	Alfalfa	Negative	organization of actin cytoskeleton	4.65E-06	105

	hay				
	Alfalfa				
Jejunum	hay	Negative	proliferation of neuronal cells	4.86E-06	188
	Alfalfa				
Jejunum	hay	Negative	reorganization of cytoskeleton	4.91E-06	71
	Alfalfa				
Jejunum	hay	Negative	chemotaxis of phagocytes	5.17E-06	103
	Alfalfa				
Jejunum	hay	Negative	degeneration of cells	5.30E-06	118
	Alfalfa				
Jejunum	hay	Negative	proliferation of immune cells	5.48E-06	251
	Alfalfa				
Jejunum	hay	Negative	cell death of epithelial cells	5.78E-06	164
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of cardiovascular system	5.96E-06	185
	Alfalfa				
Jejunum	hay	Negative	cell movement of carcinoma cell lines	6.29E-06	75
	Alfalfa				
Jejunum	hay	Negative	Growth Failure	6.37E-06	194
	Alfalfa				
Jejunum	hay	Negative	cell death of immune cells	6.37E-06	212
	Alfalfa				
Jejunum	hay	Negative	differentiation of connective tissue cells	6.45E-06	207
	Alfalfa				
Jejunum	hay	Negative	uterine serous papillary cancer	6.45E-06	83
	Alfalfa				
Jejunum	hay	Negative	synthesis of carbohydrate	6.81E-06	142
	Alfalfa				
Jejunum	hay	Negative	migration of connective tissue cells	7.52E-06	67
	Alfalfa				
Jejunum	hay	Negative	function of blood cells	7.72E-06	190
	Alfalfa				
Jejunum	hay	Negative	colony formation	8.31E-06	175
	Alfalfa				
Jejunum	hay	Negative	cell movement of granulocytes	8.76E-06	125
	Alfalfa				
Jejunum	hay	Negative	proliferation of endothelial cells	8.99E-06	107
	Alfalfa				
Jejunum	hay	Negative	cell death of fibroblast cell lines	9.48E-06	142
	Alfalfa				
Jejunum	hay	Negative	chemotaxis of myeloid cells	9.80E-06	101
	Alfalfa				
Jejunum	hay	Negative	differentiation of connective tissue	1.14E-05	231
Jejunum	Alfalfa	Negative	colony formation of cells	1.16E-05	161

	hay				
	Alfalfa				
Jejunum	hay	Negative	metabolism of nucleotide	1.18E-05	145
	Alfalfa				
Jejunum	hay	Negative	morphology of head	1.18E-05	273
	Alfalfa				
Jejunum	hay	Negative	influx of Ca ²⁺	1.28E-05	68
	Alfalfa				
Jejunum	hay	Negative	cell movement of neutrophils	1.40E-05	102
	Alfalfa				
Jejunum	hay	Negative	influx of cation	1.46E-05	70
	Alfalfa				
Jejunum	hay	Negative	long-term potentiation of synapse	1.49E-05	56
	Alfalfa				
Jejunum	hay	Negative	plasticity of synapse	1.53E-05	47
	Alfalfa				
Jejunum	hay	Negative	dephosphorylation of protein	1.53E-05	68
	Alfalfa				
Jejunum	hay	Negative	quantity of connective tissue	1.64E-05	193
	Alfalfa				
Jejunum	hay	Negative	cell movement of macrophages	1.90E-05	92
	Alfalfa				
Jejunum	hay	Negative	fatty acid metabolism	1.93E-05	192
	Alfalfa				
Jejunum	hay	Negative	Neurodegeneration	1.95E-05	105
	Alfalfa				
Jejunum	hay	Negative	proliferation of mononuclear leukocytes	1.95E-05	232
	Alfalfa				
Jejunum	hay	Negative	accumulation of cells	1.97E-05	118
	Alfalfa				
Jejunum	hay	Negative	female genital tract serous cancer	1.99E-05	128
	Alfalfa				
Jejunum	hay	Negative	growth of lesion	2.03E-05	249
	Alfalfa				
Jejunum	hay	Negative	cell movement of antigen presenting cells	2.08E-05	117
	Alfalfa				
Jejunum	hay	Negative	influx of inorganic cation	2.08E-05	69
	Alfalfa				
Jejunum	hay	Negative	quantity of metal ion	2.15E-05	145
	Alfalfa				
Jejunum	hay	Negative	branching of cells	2.20E-05	123
	Alfalfa				
Jejunum	hay	Negative	synthesis of nucleotide	2.24E-05	121
Jejunum	Alfalfa	Negative	secretion of molecule	2.31E-05	177

	hay				
	Alfalfa				
Jejunum	hay	Negative	binding of DNA	2.32E-05	168
	Alfalfa				
Jejunum	hay	Negative	formation of skin	2.32E-05	122
	Alfalfa				
Jejunum	hay	Negative	activation of antigen presenting cells	2.41E-05	107
	Alfalfa				
Jejunum	hay	Negative	growth of tumor	2.45E-05	248
	Alfalfa				
Jejunum	hay	Negative	proliferation of lymphocytes	2.49E-05	228
	Alfalfa				
Jejunum	hay	Negative	Dermatitis	2.60E-05	142
	Alfalfa				
Jejunum	hay	Negative	metabolism of membrane lipid derivative	2.67E-05	128
	Alfalfa				
Jejunum	hay	Negative	killing of macrophages	2.76E-05	12
	Alfalfa				
Jejunum	hay	Negative	concentration of acylglycerol	2.81E-05	112
	Alfalfa				
Jejunum	hay	Negative	growth of epithelial tissue	2.87E-05	214
	Alfalfa				
Jejunum	hay	Negative	allergy	2.87E-05	133
	Alfalfa				
Jejunum	hay	Negative	flux of ion	3.25E-05	108
	Alfalfa				
Jejunum	hay	Negative	transport of carbohydrate	3.39E-05	69
	Alfalfa				
Jejunum	hay	Negative	morphology of lymphatic system component	3.58E-05	136
	Alfalfa				
Jejunum	hay	Negative	demyelination	3.64E-05	46
	Alfalfa				
Jejunum	hay	Negative	differentiation of muscle cell lines	3.75E-05	59
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of heart	3.80E-05	126
	Alfalfa				
Jejunum	hay	Negative	migration of fibroblasts	3.97E-05	53
	Alfalfa				
Jejunum	hay	Negative	cell movement of endothelial cells	4.04E-05	117
	Alfalfa				
Jejunum	hay	Negative	quantity of Ca ²⁺	4.42E-05	133
	Alfalfa				
Jejunum	hay	Negative	autophagy	4.71E-05	123
Jejunum	Alfalfa	Negative	formation of cells	4.81E-05	299

	hay				
	Alfalfa				
Jejunum	hay	Negative	organization of filaments	4.86E-05	72
	Alfalfa				
Jejunum	hay	Negative	growth of lymphatic system component	4.86E-05	68
	Alfalfa				
Jejunum	hay	Negative	morphology of heart ventricle	4.86E-05	68
	Alfalfa				
Jejunum	hay	Negative	transport of protein	5.06E-05	101
	Alfalfa				
Jejunum	hay	Negative	morphology of muscle	5.38E-05	111
	Alfalfa				
Jejunum	hay	Negative	proliferation of smooth muscle cells	5.38E-05	96
	Alfalfa				
Jejunum	hay	Negative	permeability of cells	5.41E-05	39
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of head	5.54E-05	256
	Alfalfa				
Jejunum	hay	Negative	quantity of myeloid cells	5.59E-05	117
	Alfalfa				
Jejunum	hay	Negative	dysmyelination	5.92E-05	50
	Alfalfa				
Jejunum	hay	Negative	flux of cation	6.01E-05	102
	Alfalfa				
Jejunum	hay	Negative	accumulation of blood cells	6.02E-05	94
	Alfalfa				
Jejunum	hay	Negative	growth of muscle tissue	6.09E-05	122
	Alfalfa				
Jejunum	hay	Negative	synthesis of DNA	6.21E-05	135
	Alfalfa				
Jejunum	hay	Negative	metabolism of nucleic acid component or derivative	6.24E-05	165
	Alfalfa				
Jejunum	hay	Negative	transport of alpha-amino acid	6.36E-05	30
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of abdomen	6.44E-05	268
	Alfalfa				
Jejunum	hay	Negative	cell movement of muscle cells	6.46E-05	64
	Alfalfa				
Jejunum	hay	Negative	quantity of phagocytes	6.48E-05	137
	Alfalfa				
Jejunum	hay	Negative	ubiquitination	6.53E-05	111
	Alfalfa				
Jejunum	hay	Negative	development of neurons	6.70E-05	241
Jejunum	Alfalfa	Negative	quantity of lymphatic system component	6.88E-05	123

	hay				
	Alfalfa				
Jejunum	hay	Negative	activation of leukocytes	6.96E-05	217
	Alfalfa				
Jejunum	hay	Negative	hydrolysis of lipid	6.99E-05	66
	Alfalfa				
Jejunum	hay	Negative	concentration of phosphatidic acid	6.99E-05	50
	Alfalfa				
Jejunum	hay	Negative	proliferation of muscle cells	7.01E-05	121
	Alfalfa				
Jejunum	hay	Negative	cellular infiltration by macrophages	7.78E-05	57
	Alfalfa				
Jejunum	hay	Negative	transport of monosaccharide	7.78E-05	57
	Alfalfa				
Jejunum	hay	Negative	cell death of brain	7.97E-05	97
	Alfalfa				
Jejunum	hay	Negative	flux of Ca ²⁺	7.97E-05	95
	Alfalfa				
Jejunum	hay	Negative	benign neoplasia	8.18E-05	281
	Alfalfa				
Jejunum	hay	Negative	ubiquitination of protein	8.22E-05	109
	Alfalfa				
Jejunum	hay	Negative	receptor-mediated endocytosis	8.26E-05	53
	Alfalfa				
Jejunum	hay	Negative	flux of inorganic cation	8.26E-05	100
	Alfalfa				
Jejunum	hay	Negative	homing of blood cells	8.26E-05	123
	Alfalfa				
Jejunum	hay	Negative	export of molecule	8.27E-05	98
	Alfalfa				
Jejunum	hay	Negative	neurotransmission	8.27E-05	133
	Alfalfa				
Jejunum	hay	Negative	release of fatty acid	8.31E-05	60
	Alfalfa				
Jejunum	hay	Negative	transport of cation	8.31E-05	130
	Alfalfa				
Jejunum	hay	Negative	sprouting	8.73E-05	125
	Alfalfa				
Jejunum	hay	Negative	adhesion of immune cells	8.91E-05	114
	Alfalfa				
Jejunum	hay	Negative	development of body axis	9.12E-05	316
	Alfalfa				
Jejunum	hay	Negative	degeneration of neurons	9.30E-05	81
Jejunum	Alfalfa	Negative	cell death of epithelial cell lines	9.30E-05	94

	hay				
	Alfalfa				
Jejunum	hay	Negative	experimentally-induced diabetes	9.55E-05	37
	Alfalfa				
Jejunum	hay	Negative	cell death of hippocampal neurons	9.91E-05	34
	Alfalfa				
Jejunum	hay	Negative	concentration of phospholipid	1.01E-04	64
	Alfalfa				
Jejunum	hay	Negative	metastasis of cells	1.02E-04	84
	Alfalfa				
Jejunum	hay	Negative	morphology of nervous system	1.03E-04	240
	Alfalfa				
Jejunum	hay	Negative	cellular infiltration by leukocytes	1.06E-04	125
	Alfalfa				
Jejunum	hay	Negative	transmigration of cells	1.10E-04	56
	Alfalfa				
Jejunum	hay	Negative	cognitive impairment	1.20E-04	108
	Alfalfa				
Jejunum	hay	Negative	metabolism of protein	1.20E-04	293
	Alfalfa				
Jejunum	hay	Negative	epileptic seizure	1.20E-04	59
	Alfalfa				
Jejunum	hay	Negative	epilepsy	1.20E-04	101
	Alfalfa				
Jejunum	hay	Negative	release of eicosanoid	1.20E-04	51
	Alfalfa				
Jejunum	hay	Negative	cell death of hippocampal cells	1.22E-04	37
	Alfalfa				
Jejunum	hay	Negative	hydrolysis of phosphoinositide	1.23E-04	25
	Alfalfa				
Jejunum	hay	Negative	infection by RNA virus	1.23E-04	263
	Alfalfa				
Jejunum	hay	Negative	cellular degradation	1.23E-04	85
	Alfalfa				
Jejunum	hay	Negative	morphology of bone	1.23E-04	143
	Alfalfa				
Jejunum	hay	Negative	cell death of lymphocytes	1.23E-04	124
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of bone	1.23E-04	139
	Alfalfa				
Jejunum	hay	Negative	apoptosis of fibroblast cell lines	1.23E-04	107
	Alfalfa				
Jejunum	hay	Negative	migration of endothelial cells	1.23E-04	107
Jejunum	Alfalfa	Negative	activation of blood cells	1.23E-04	229

	hay				
	Alfalfa				
Jejunum	hay	Negative	uptake of D-glucose	1.23E-04	75
	Alfalfa				
Jejunum	hay	Negative	cell death of heart	1.28E-04	77
	Alfalfa				
Jejunum	hay	Negative	cell death of T lymphocytes	1.28E-04	103
	Alfalfa				
Jejunum	hay	Negative	transport of ion	1.33E-04	159
	Alfalfa				
Jejunum	hay	Negative	cancer of cells	1.37E-04	85
	Alfalfa				
Jejunum	hay	Negative	apoptosis of blood cells	1.38E-04	156
	Alfalfa				
Jejunum	hay	Negative	migration of muscle cells	1.41E-04	58
	Alfalfa				
Jejunum	hay	Negative	differentiation of bone cells	1.42E-04	130
	Alfalfa				
Jejunum	hay	Negative	cell death of central nervous system cells	1.43E-04	96
	Alfalfa				
Jejunum	hay	Negative	replication of RNA virus	1.43E-04	159
	Alfalfa				
Jejunum	hay	Negative	cell death of mononuclear leukocytes	1.43E-04	127
	Alfalfa				
Jejunum	hay	Negative	formation of muscle	1.43E-04	127
	Alfalfa				
Jejunum	hay	Negative	homing of leukocytes	1.47E-04	121
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of heart ventricle	1.48E-04	61
	Alfalfa				
Jejunum	hay	Negative	release of neurotransmitter	1.52E-04	55
	Alfalfa				
Jejunum	hay	Negative	transport of metal	1.56E-04	108
	Alfalfa				
Jejunum	hay	Negative	arthropathy	1.70E-04	286
	Alfalfa				
Jejunum	hay	Negative	development of head	1.70E-04	294
	Alfalfa				
Jejunum	hay	Negative	infection by Retroviridae	1.70E-04	220
	Alfalfa				
Jejunum	hay	Negative	HIV infection	1.70E-04	218
	Alfalfa				
Jejunum	hay	Negative	chemotaxis of leukocytes	1.75E-04	114
Jejunum	Alfalfa	Negative	morphology of lymphoid organ	1.81E-04	125

	hay				
	Alfalfa				
Jejunum	hay	Negative	syndromic mental retardation	1.81E-04	55
	Alfalfa				
Jejunum	hay	Negative	morphology of connective tissue	1.93E-04	145
	Alfalfa				
Jejunum	hay	Negative	cell death of heart cells	1.96E-04	74
	Alfalfa				
Jejunum	hay	Negative	arthritis	1.96E-04	281
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of nervous system	2.09E-04	221
	Alfalfa				
Jejunum	hay	Negative	transport of inorganic cation	2.09E-04	113
	Alfalfa				
Jejunum	hay	Negative	S phase	2.10E-04	86
	Alfalfa				
Jejunum	hay	Negative	neutropenia	2.10E-04	19
	Alfalfa				
Jejunum	hay	Negative	apoptosis of epithelial cell lines	2.10E-04	75
	Alfalfa				
Jejunum	hay	Negative	serous neoplasm	2.10E-04	188
	Alfalfa				
Jejunum	hay	Negative	I-kappaB kinase/NF-kappaB cascade	2.10E-04	60
	Alfalfa				
Jejunum	hay	Negative	production of reactive oxygen species	2.11E-04	117
	Alfalfa				
Jejunum	hay	Negative	concentration of eicosanoid	2.11E-04	42
	Alfalfa				
Jejunum	hay	Negative	quantity of B lymphocytes	2.11E-04	111
	Alfalfa				
Jejunum	hay	Negative	concentration of Ca ²⁺	2.11E-04	46
	Alfalfa				
Jejunum	hay	Negative	small GTPase mediated signal transduction	2.14E-04	63
	Alfalfa				
Jejunum	hay	Negative	release of arachidonic acid	2.14E-04	35
	Alfalfa				
Jejunum	hay	Negative	mitosis	2.17E-04	155
	Alfalfa				
Jejunum	hay	Negative	cell viability of cervical cancer cell lines	2.17E-04	74
	Alfalfa				
Jejunum	hay	Negative	synthesis of fatty acid	2.18E-04	101
	Alfalfa				
Jejunum	hay	Negative	proliferation of fibroblasts	2.23E-04	113
Jejunum	Alfalfa	Negative	mass of connective tissue	2.24E-04	68

	hay				
	Alfalfa				
Jejunum	hay	Negative	proliferation of lymphatic system cells	2.24E-04	68
	Alfalfa				
Jejunum	hay	Negative	accumulation of lipid	2.26E-04	97
	Alfalfa				
Jejunum	hay	Negative	development of blood cells	2.28E-04	200
	Alfalfa				
Jejunum	hay	Negative	development of lymphatic system component	2.31E-04	100
	Alfalfa				
Jejunum	hay	Negative	proliferation of T lymphocytes	2.34E-04	186
	Alfalfa				
Jejunum	hay	Negative	homeostasis of ion	2.40E-04	79
	Alfalfa				
Jejunum	hay	Negative	quantity of steroid	2.43E-04	146
	Alfalfa				
Jejunum	hay	Negative	binding of endothelial cells	2.43E-04	39
	Alfalfa				
Jejunum	hay	Negative	infection of cells	2.46E-04	241
	Alfalfa				
Jejunum	hay	Negative	degeneration of central nervous system	2.47E-04	47
	Alfalfa				
Jejunum	hay	Negative	apoptosis of neurons	2.47E-04	137
	Alfalfa				
Jejunum	hay	Negative	maturation of cells	2.51E-04	143
	Alfalfa				
Jejunum	hay	Negative	growth of embryo	2.51E-04	149
	Alfalfa				
Jejunum	hay	Negative	quantity of hematopoietic cells	2.55E-04	139
	Alfalfa				
Jejunum	hay	Negative	experimentally-induced arthritis	2.57E-04	53
	Alfalfa				
Jejunum	hay	Negative	neurodegeneration of cerebral cortex	2.58E-04	24
	Alfalfa				
Jejunum	hay	Negative	proliferation of glomerular cells	2.58E-04	24
	Alfalfa				
Jejunum	hay	Negative	proliferation of mesangial cells	2.59E-04	21
	Alfalfa				
Jejunum	hay	Negative	size of animal	2.62E-04	61
	Alfalfa				
Jejunum	hay	Negative	cell death of brain cells	2.63E-04	89
	Alfalfa				
Jejunum	hay	Negative	homeostasis of inorganic cation	2.65E-04	64
Jejunum	Alfalfa	Negative	apoptosis of leukocytes	2.68E-04	143

	hay				
	Alfalfa				
Jejunum	hay	Negative	synaptic transmission	2.74E-04	108
	Alfalfa				
Jejunum	hay	Negative	development of leukocytes	2.77E-04	181
	Alfalfa				
Jejunum	hay	Negative	cell death of cerebral cortex cells	2.77E-04	76
	Alfalfa				
Jejunum	hay	Negative	formation of leukocytes	2.81E-04	55
	Alfalfa				
Jejunum	hay	Negative	activation of neuroglia	2.92E-04	47
	Alfalfa				
Jejunum	hay	Negative	proliferation of fibroblast cell lines	2.93E-04	133
	Alfalfa				
Jejunum	hay	Negative	modification of peptide	2.95E-04	39
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of embryonic tissue	2.99E-04	169
	Alfalfa				
Jejunum	hay	Negative	muscle contraction	2.99E-04	81
	Alfalfa				
Jejunum	hay	Negative	quantity of bone	2.99E-04	81
	Alfalfa				
Jejunum	hay	Negative	metabolism of monosaccharide	2.99E-04	44
	Alfalfa				
Jejunum	hay	Negative	activation of phagocytes	2.99E-04	118
	Alfalfa				
Jejunum	hay	Negative	cellular infiltration	3.12E-04	137
	Alfalfa				
Jejunum	hay	Negative	neovascularization	3.16E-04	56
	Alfalfa				
Jejunum	hay	Negative	quantity of hematopoietic progenitor cells	3.16E-04	138
	Alfalfa				
Jejunum	hay	Negative	Bleeding	3.16E-04	133
	Alfalfa				
Jejunum	hay	Negative	aggregation of cells	3.19E-04	104
	Alfalfa				
Jejunum	hay	Negative	function of cardiovascular system	3.19E-04	117
	Alfalfa				
Jejunum	hay	Negative	accumulation of leukocytes	3.29E-04	87
	Alfalfa				
Jejunum	hay	Negative	quantity of T lymphocytes	3.35E-04	165
	Alfalfa				
Jejunum	hay	Negative	growth of renal glomerulus	3.36E-04	28
Jejunum	Alfalfa	Negative	cleavage of lipid	3.43E-04	67

	hay				
	Alfalfa				
Jejunum	hay	Negative	autophagy of cells	3.50E-04	86
	Alfalfa				
Jejunum	hay	Negative	transport of L-amino acid	3.52E-04	26
	Alfalfa				
Jejunum	hay	Negative	excitatory postsynaptic potential	3.60E-04	44
	Alfalfa				
Jejunum	hay	Negative	transport of metal ion	3.64E-04	102
	Alfalfa				
Jejunum	hay	Negative	differentiation of muscle	3.72E-04	97
	Alfalfa				
Jejunum	hay	Negative	development of lymphocytes	3.72E-04	170
	Alfalfa				
Jejunum	hay	Negative	advanced malignant tumor	3.82E-04	253
	Alfalfa				
Jejunum	hay	Negative	chronic psoriasis	3.82E-04	50
	Alfalfa				
Jejunum	hay	Negative	concentration of sterol	3.85E-04	98
	Alfalfa				
Jejunum	hay	Negative	quantity of granulocytes	3.88E-04	101
	Alfalfa				
Jejunum	hay	Negative	intracranial hemorrhage	3.91E-04	49
	Alfalfa				
Jejunum	hay	Negative	migration of carcinoma cell lines	3.93E-04	58
	Alfalfa				
Jejunum	hay	Negative	cell transformation	3.96E-04	143
	Alfalfa				
Jejunum	hay	Negative	apoptosis of kidney cell lines	3.97E-04	78
	Alfalfa				
Jejunum	hay	Negative	development of mononuclear leukocytes	3.97E-04	171
	Alfalfa				
Jejunum	hay	Negative	entrance of Ca ²⁺	3.97E-04	30
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of lymphoid organ	3.97E-04	119
	Alfalfa				
Jejunum	hay	Negative	replication of virus	3.97E-04	172
	Alfalfa				
Jejunum	hay	Negative	cell death of tumor	4.05E-04	120
	Alfalfa				
Jejunum	hay	Negative	oxidative stress response of cells	4.05E-04	25
	Alfalfa				
Jejunum	hay	Negative	concentration of triacylglycerol	4.22E-04	98
Jejunum	Alfalfa	Negative	proliferation of leukemia cell lines	4.30E-04	70

	hay				
	Alfalfa				
Jejunum	hay	Negative	abnormal quantity of lipid	4.32E-04	51
	Alfalfa				
Jejunum	hay	Negative	homeostasis of metal ion	4.33E-04	62
	Alfalfa				
Jejunum	hay	Negative	development of abdomen	4.34E-04	177
	Alfalfa				
Jejunum	hay	Negative	neurodegeneration of brain	4.34E-04	40
	Alfalfa				
Jejunum	hay	Negative	inflammation of organ	4.40E-04	344
	Alfalfa				
Jejunum	hay	Negative	serine phosphorylation of peptide	4.48E-04	32
	Alfalfa				
Jejunum	hay	Negative	cell movement of mononuclear leukocytes	4.59E-04	143
	Alfalfa				
Jejunum	hay	Negative	growth of neurites	4.59E-04	143
	Alfalfa				
Jejunum	hay	Negative	phagocytosis	4.59E-04	95
	Alfalfa				
Jejunum	hay	Negative	vascularization	4.70E-04	77
	Alfalfa				
Jejunum	hay	Negative	consumption of oxygen	4.70E-04	53
	Alfalfa				
Jejunum	hay	Negative	concentration of cholesterol	4.70E-04	93
	Alfalfa				
Jejunum	hay	Negative	assembly of protein-protein complex	4.70E-04	63
	Alfalfa				
Jejunum	hay	Negative	morphology of respiratory system	4.78E-04	99
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of skull	4.90E-04	72
	Alfalfa				
Jejunum	hay	Negative	differentiation of epithelial tissue	4.90E-04	113
	Alfalfa				
Jejunum	hay	Negative	branching of neurites	4.90E-04	89
	Alfalfa				
Jejunum	hay	Negative	serine phosphorylation	4.96E-04	35
	Alfalfa				
Jejunum	hay	Negative	cell death of kidney cells	4.96E-04	110
	Alfalfa				
Jejunum	hay	Negative	growth of plasma membrane projections	4.96E-04	144
	Alfalfa				
Jejunum	hay	Negative	cell viability of blood cells	4.96E-04	92
Jejunum	Alfalfa	Negative	adhesion of blood cells	4.98E-04	118

	hay				
	Alfalfa				
Jejunum	hay	Negative	degeneration of brain	5.01E-04	44
	Alfalfa				
Jejunum	hay	Negative	necrosis of tumor	5.07E-04	119
	Alfalfa				
Jejunum	hay	Negative	peripheral vascular disease	5.07E-04	119
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of right ventricle	5.09E-04	21
	Alfalfa				
Jejunum	hay	Negative	homeostasis of divalent cations	5.11E-04	50
	Alfalfa				
Jejunum	hay	Negative	proliferation of hematopoietic cell lines	5.15E-04	73
	Alfalfa				
Jejunum	hay	Negative	development of lymphatic system	5.15E-04	112
	Alfalfa				
Jejunum	hay	Negative	neonatal death	5.21E-04	136
	Alfalfa				
Jejunum	hay	Negative	mass of adipose tissue	5.30E-04	63
	Alfalfa				
Jejunum	hay	Negative	morphology of right ventricle	5.37E-04	23
	Alfalfa				
Jejunum	hay	Negative	phosphorylation of L-amino acid	5.45E-04	72
	Alfalfa				
Jejunum	hay	Negative	cell movement of lymphocytes	5.45E-04	123
	Alfalfa				
Jejunum	hay	Negative	mobilization of cells	5.54E-04	32
	Alfalfa				
Jejunum	hay	Negative	vascularization of body region	5.55E-04	47
	Alfalfa				
Jejunum	hay	Negative	synthesis of phospholipid	5.58E-04	59
	Alfalfa				
Jejunum	hay	Negative	homeostasis of leukocytes	5.86E-04	169
	Alfalfa				
Jejunum	hay	Negative	necrosis of kidney	5.93E-04	114
	Alfalfa				
Jejunum	hay	Negative	autophosphorylation of protein	6.06E-04	54
	Alfalfa				
Jejunum	hay	Negative	quantity of polyunsaturated fatty acids	6.07E-04	43
	Alfalfa				
Jejunum	hay	Negative	morphology of skin	6.11E-04	87
	Alfalfa				
Jejunum	hay	Negative	metastasis	6.28E-04	227
Jejunum	Alfalfa	Negative	cell death of kidney cell lines	6.35E-04	96

	hay				
	Alfalfa				
Jejunum	hay	Negative	muscular hypertrophy	6.39E-04	67
	Alfalfa				
Jejunum	hay	Negative	activation of Protein kinase	6.43E-04	81
	Alfalfa				
Jejunum	hay	Negative	cellular infiltration of phagocytes	6.46E-04	59
	Alfalfa				
Jejunum	hay	Negative	branching of neurons	6.46E-04	91
	Alfalfa				
Jejunum	hay	Negative	necrosis of cardiac muscle	6.50E-04	71
	Alfalfa				
Jejunum	hay	Negative	activation of macrophages	6.50E-04	77
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of respiratory system	6.50E-04	97
	Alfalfa				
Jejunum	hay	Negative	autosomal recessive disease	6.50E-04	272
	Alfalfa				
Jejunum	hay	Negative	synthesis of purine nucleotide	6.75E-04	58
	Alfalfa				
Jejunum	hay	Negative	recruitment of leukocytes	6.92E-04	102
	Alfalfa				
Jejunum	hay	Negative	quantity of antigen presenting cells	7.08E-04	88
	Alfalfa				
Jejunum	hay	Negative	exocytosis by cells	7.09E-04	44
	Alfalfa				
Jejunum	hay	Negative	cell viability of mononuclear leukocytes	7.09E-04	65
	Alfalfa				
Jejunum	hay	Negative	outgrowth of neurites	7.27E-04	125
	Alfalfa				
Jejunum	hay	Negative	transport of D-glucose	7.27E-04	49
	Alfalfa				
Jejunum	hay	Negative	morphogenesis of neurons	7.29E-04	131
	Alfalfa				
Jejunum	hay	Negative	migration of mesenchymal cells	7.61E-04	17
	Alfalfa				
Jejunum	hay	Negative	chemotaxis of antigen presenting cells	7.61E-04	52
	Alfalfa				
Jejunum	hay	Negative	chronic myeloid leukemia	7.62E-04	38
	Alfalfa				
Jejunum	hay	Negative	exocytosis of granules	7.62E-04	13
	Alfalfa				
Jejunum	hay	Negative	internalization of lipid	7.62E-04	13
Jejunum	Alfalfa	Negative	necrosis of muscle	7.90E-04	107

	hay				
	Alfalfa				
Jejunum	hay	Negative	size of embryo	7.90E-04	111
	Alfalfa				
Jejunum	hay	Negative	hypertrophy of cardiomyocytes	7.96E-04	46
	Alfalfa				
Jejunum	hay	Negative	transport of amino acids	7.96E-04	46
	Alfalfa				
Jejunum	hay	Negative	cell movement of smooth muscle cells	8.09E-04	54
	Alfalfa				
Jejunum	hay	Negative	hydrolysis of carbohydrate	8.19E-04	45
	Alfalfa				
Jejunum	hay	Negative	T cell development	8.27E-04	153
	Alfalfa				
Jejunum	hay	Negative	neoplasia of cells	8.36E-04	136
	Alfalfa				
Jejunum	hay	Negative	miniature excitatory postsynaptic currents	8.36E-04	24
	Alfalfa				
Jejunum	hay	Negative	relaxation of muscle	8.38E-04	31
	Alfalfa				
Jejunum	hay	Negative	shape change of neurites	8.40E-04	90
	Alfalfa				
Jejunum	hay	Negative	transport of synaptic vesicles	8.53E-04	27
	Alfalfa				
Jejunum	hay	Negative	activation of enzyme	8.55E-04	120
	Alfalfa				
Jejunum	hay	Negative	immediate hypersensitivity	8.61E-04	100
	Alfalfa				
Jejunum	hay	Negative	synthesis of progesterone	8.63E-04	32
	Alfalfa				
Jejunum	hay	Negative	Lymphocyte homeostasis	8.63E-04	165
	Alfalfa				
Jejunum	hay	Negative	outgrowth of cells	8.66E-04	133
	Alfalfa				
Jejunum	hay	Negative	keratosis	8.67E-04	42
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of skeleton	8.78E-04	86
	Alfalfa				
Jejunum	hay	Negative	phagocytosis of cells	8.78E-04	86
	Alfalfa				
Jejunum	hay	Negative	differentiation of muscle cells	8.89E-04	89
	Alfalfa				
Jejunum	hay	Negative	binding of mononuclear leukocytes	8.94E-04	40
Jejunum	Alfalfa	Negative	binding of lymphocytes	8.95E-04	34

	hay				
	Alfalfa				
Jejunum	hay	Negative	uptake of fatty acid	9.04E-04	28
	Alfalfa				
Jejunum	hay	Negative	mental retardation	9.07E-04	75
	Alfalfa				
Jejunum	hay	Negative	metabolism of phospholipid	9.07E-04	75
	Alfalfa				
Jejunum	hay	Negative	response of mononuclear leukocytes	9.07E-04	75
	Alfalfa				
Jejunum	hay	Negative	cell death of tumor cells	9.14E-04	115
	Alfalfa				
Jejunum	hay	Negative	cellularity	9.15E-04	25
	Alfalfa				
Jejunum	hay	Negative	apoptosis of heart cells	9.26E-04	62
	Alfalfa				
Jejunum	hay	Negative	tyrosine phosphorylation of protein	9.26E-04	62
	Alfalfa				
Jejunum	hay	Negative	function of muscle	9.43E-04	108
	Alfalfa				
Jejunum	hay	Negative	transmigration of blood cells	9.78E-04	44
	Alfalfa				
Jejunum	hay	Negative	mobilization of Ca ²⁺	1.02E-03	107
	Alfalfa				
Jejunum	hay	Negative	formation of filopodia	1.02E-03	55
	Alfalfa				
Jejunum	hay	Negative	cell death of cardiomyocytes	1.04E-03	69
	Alfalfa				
Jejunum	hay	Negative	morphology of skeleton	1.05E-03	88
	Alfalfa				
Jejunum	hay	Negative	metabolism of acylglycerol	1.05E-03	47
	Alfalfa				
Jejunum	hay	Negative	hydrolysis of phosphatidylinositol	1.09E-03	33
	Alfalfa				
Jejunum	hay	Negative	degranulation of cells	1.10E-03	72
	Alfalfa				
Jejunum	hay	Negative	contraction of heart	1.10E-03	59
	Alfalfa				
Jejunum	hay	Negative	formation of connective tissue cells	1.10E-03	68
	Alfalfa				
Jejunum	hay	Negative	quantity of lymphoid organ	1.11E-03	96
	Alfalfa				
Jejunum	hay	Negative	morphogenesis of neurites	1.11E-03	128
Jejunum	Alfalfa	Negative	quantity of cellular protrusions	1.11E-03	53

	hay				
	Alfalfa				
Jejunum	hay	Negative	synthesis of nitric oxide	1.12E-03	87
	Alfalfa				
Jejunum	hay	Negative	contraction of striated muscle	1.12E-03	45
	Alfalfa				
Jejunum	hay	Negative	cell viability of leukocytes	1.13E-03	82
	Alfalfa				
Jejunum	hay	Negative	cell death of muscle cells	1.13E-03	104
	Alfalfa				
Jejunum	hay	Negative	abnormal morphology of axial skeleton	1.14E-03	63
	Alfalfa				
Jejunum	hay	Negative	trafficking of cells	1.15E-03	28
	Alfalfa				
Jejunum	hay	Negative	recruitment of cells	1.18E-03	110
	Alfalfa				
Jejunum	hay	Negative	formation of osteoclasts	1.23E-03	42
	Alfalfa				
Jejunum	hay	Negative	differentiation of leukocytes	1.23E-03	200
	Alfalfa				
Jejunum	hay	Negative	MAPKKK cascade	1.24E-03	66
	Alfalfa				
Jejunum	hay	Negative	differentiation of blood cells	1.24E-03	248
	Alfalfa				
Jejunum	hay	Negative	adhesion of tumor cell lines	1.24E-03	90
	Alfalfa				
Jejunum	hay	Negative	autosomal dominant disease	1.27E-03	190
	Alfalfa				
Jejunum	hay	Negative	glucose metabolism disorder	1.27E-03	369
	Alfalfa				
Jejunum	hay	Negative	release of granules	1.28E-03	15
	Alfalfa				
Jejunum	hay	Negative	binding of cells	1.28E-03	145
	Alfalfa				
Jejunum	hay	Negative	development of connective tissue cells	1.30E-03	71
	Alfalfa				
Jejunum	hay	Negative	quantity of macrophages	1.30E-03	65
	Rice				
Jejunum	straw	Positive	malignant solid tumor	1.37E-32	3361
	Rice				
Jejunum	straw	Positive	cancer	1.37E-32	3396
	Rice				
Jejunum	straw	Positive	morbidity or mortality	9.66E-30	920
Jejunum	Rice	Positive	organismal death	2.85E-29	907

	straw				
	Rice				
Jejunum	straw	Positive	proliferation of cells	2.77E-27	1302
	Rice				
Jejunum	straw	Positive	organization of cytoplasm	5.22E-21	592
	Rice				
Jejunum	straw	Positive	tumorigenesis of tissue	6.79E-21	2828
	Rice				
Jejunum	straw	Positive	epithelial cancer	6.79E-21	2762
	Rice				
Jejunum	straw	Positive	neoplasia of epithelial tissue	8.59E-21	2785
	Rice				
Jejunum	straw	Positive	cell death	7.99E-19	1146
	Rice				
Jejunum	straw	Positive	morphology of cells	2.51E-18	712
	Rice				
Jejunum	straw	Positive	abdominal neoplasm	9.61E-18	2746
	Rice				
Jejunum	straw	Positive	necrosis	4.26E-17	901
	Rice				
Jejunum	straw	Positive	abdominal cancer	4.26E-17	2712
	Rice				
Jejunum	straw	Positive	organization of cytoskeleton	1.64E-16	526
	Rice				
Jejunum	straw	Positive	transport of molecule	1.09E-15	592
	Rice				
Jejunum	straw	Positive	digestive system cancer	1.09E-15	2362
	Rice				
Jejunum	straw	Positive	digestive organ tumor	7.92E-15	2376
	Rice				
Jejunum	straw	Positive	vasculogenesis	1.13E-14	298
	Rice				
Jejunum	straw	Positive	cell movement	1.14E-14	749
	Rice				
Jejunum	straw	Positive	abnormal morphology of cells	1.71E-14	474
	Rice				
Jejunum	straw	Positive	cellular homeostasis	5.84E-14	554
	Rice				
Jejunum	straw	Positive	angiogenesis	6.70E-14	353
	Rice				
Jejunum	straw	Positive	expression of RNA	7.36E-14	750
	Rice				
Jejunum	straw	Positive	transcription	1.42E-13	701
Jejunum	Rice	Positive	apoptosis	2.24E-13	899

	straw				
	Rice				
Jejunum	straw	Positive	Movement Disorders	4.21E-13	400
	Rice				
Jejunum	straw	Positive	microtubule dynamics	5.54E-13	440
	Rice				
Jejunum	straw	Positive	transcription of RNA	9.69E-13	653
	Rice				
Jejunum	straw	Positive	differentiation of cells	3.05E-12	772
	Rice				
Jejunum	straw	Positive	cell survival	3.69E-12	503
	Rice				
Jejunum	straw	Positive	cell viability	2.65E-11	469
	Rice				
Jejunum	straw	Positive	development of cytoplasm	3.02E-11	189
	Rice				
Jejunum	straw	Positive	morphology of cardiovascular system	3.14E-11	244
	Rice				
Jejunum	straw	Positive	disorder of basal ganglia	3.52E-11	294
	Rice				
Jejunum	straw	Positive	neurological signs	5.06E-11	254
	Rice				
Jejunum	straw	Positive	migration of cells	5.85E-11	656
	Rice				
Jejunum	straw	Positive	dyskinesia	9.86E-11	241
	Rice				
Jejunum	straw	Positive	cell death of connective tissue cells	1.06E-10	236
	Rice				
Jejunum	straw	Positive	abnormal morphology of thoracic cavity	1.35E-10	230
	Rice				
Jejunum	straw	Positive	formation of cellular protrusions	4.76E-10	334
	Rice				
Jejunum	straw	Positive	quantity of cells	7.82E-10	607
	Rice				
Jejunum	straw	Positive	chorea	1.15E-09	223
	Rice				
Jejunum	straw	Positive	Huntington's Disease	1.33E-09	222
	Rice				
Jejunum	straw	Positive	neuromuscular disease	2.52E-09	324
	Rice				
Jejunum	straw	Positive	growth of organism	3.31E-09	308
	Rice				
Jejunum	straw	Positive	size of body	7.96E-09	311
Jejunum	Rice	Positive	proliferation of tumor cell lines	1.73E-08	530

	straw				
	Rice				
Jejunum	straw	Positive	cell death of tumor cell lines	1.73E-08	523
	Rice				
Jejunum	straw	Positive	abnormal morphology of cardiovascular system	1.77E-08	215
	Rice				
Jejunum	straw	Positive	concentration of lipid	3.03E-08	295
	Rice				
Jejunum	straw	Positive	synthesis of lipid	3.22E-08	263
	Rice				
Jejunum	straw	Positive	development of body trunk	3.41E-08	393
	Rice				
Jejunum	straw	Positive	formation of cells	4.18E-08	350
	Rice				
Jejunum	straw	Positive	peripheral arterial disease	4.21E-08	90
	Rice				
Jejunum	straw	Positive	benign neoplasia	5.07E-08	331
	Rice				
Jejunum	straw	Positive	protein kinase cascade	5.58E-08	163
	Rice				
Jejunum	straw	Positive	Viral Infection	5.77E-08	546
	Rice				
Jejunum	straw	Positive	transcription of DNA	6.19E-08	522
	Rice				
Jejunum	straw	Positive	invasion of cells	7.08E-08	312
	Rice				
Jejunum	straw	Positive	development of connective tissue	7.97E-08	145
	Rice				
Jejunum	straw	Positive	morphology of body cavity	1.23E-07	414
	Rice				
Jejunum	straw	Positive	adenocarcinoma	1.25E-07	2017
	Rice				
Jejunum	straw	Positive	formation of cytoskeleton	1.26E-07	146
	Rice				
Jejunum	straw	Positive	perinatal death	1.27E-07	220
	Rice				
Jejunum	straw	Positive	degeneration of nervous system	1.30E-07	115
	Rice				
Jejunum	straw	Positive	fibrogenesis	1.30E-07	158
	Rice				
Jejunum	straw	Positive	morphology of heart	1.31E-07	156
	Rice				
Jejunum	straw	Positive	development of vasculature	1.68E-07	160
Jejunum	Rice	Positive	congenital anomaly of musculoskeletal system	1.88E-07	266

	straw				
	Rice				
Jejunum	straw	Positive	organization of organelle	2.77E-07	200
	Rice				
Jejunum	straw	Positive	autosomal recessive disease	3.02E-07	325
	Rice				
Jejunum	straw	Positive	apoptosis of tumor cell lines	3.37E-07	416
	Rice				
Jejunum	straw	Positive	Organ Degeneration	3.60E-07	184
	Rice				
Jejunum	straw	Positive	behavior	3.87E-07	346
	Rice				
Jejunum	straw	Positive	formation of filaments	5.09E-07	151
	Rice				
Jejunum	straw	Positive	small GTPase mediated signal transduction	5.35E-07	77
	Rice				
Jejunum	straw	Positive	abdominal adenocarcinoma	5.62E-07	1834
	Rice				
Jejunum	straw	Positive	ubiquitination	5.70E-07	130
	Rice		metabolism of nucleic acid component or derivative		
Jejunum	straw	Positive		7.97E-07	191
	Rice				
Jejunum	straw	Positive	breast or colorectal cancer	1.01E-06	1553
	Rice				
Jejunum	straw	Positive	abnormal morphology of body cavity	1.13E-06	391
	Rice				
Jejunum	straw	Positive	sprouting	1.73E-06	145
	Rice				
Jejunum	straw	Positive	cell transformation	1.78E-06	170
	Rice				
Jejunum	straw	Positive	cell movement of tumor cell lines	1.79E-06	298
	Rice				
Jejunum	straw	Positive	ubiquitination of protein	2.39E-06	126
	Rice				
Jejunum	straw	Positive	concentration of fatty acid	2.71E-06	108
	Rice				
Jejunum	straw	Positive	neuronal cell death	2.72E-06	242
	Rice				
Jejunum	straw	Positive	abnormal morphology of embryonic tissue	2.90E-06	198
	Rice				
Jejunum	straw	Positive	abnormal morphology of heart	3.00E-06	143
	Rice				
Jejunum	straw	Positive	gastrointestinal tract cancer	3.10E-06	1574
Jejunum	Rice	Positive	morphology of head	3.53E-06	304

	straw				
	Rice				
Jejunum	straw	Positive	invasion of tumor cell lines	3.63E-06	236
	Rice				
Jejunum	straw	Positive	apoptosis of connective tissue cells	3.71E-06	113
	Rice				
Jejunum	straw	Positive	gastrointestinal carcinoma	3.73E-06	1416
	Rice				
Jejunum	straw	Positive	growth of connective tissue	3.75E-06	229
	Rice				
Jejunum	straw	Positive	metabolism of nucleoside triphosphate	4.22E-06	59
	Rice				
Jejunum	straw	Positive	migration of tumor cell lines	4.22E-06	249
	Rice				
Jejunum	straw	Positive	infection by Retroviridae	4.34E-06	253
	Rice				
Jejunum	straw	Positive	metabolism of carbohydrate	4.40E-06	221
	Rice				
Jejunum	straw	Positive	phosphorylation of protein	4.66E-06	258
	Rice				
Jejunum	straw	Positive	cell cycle progression	4.66E-06	357
	Rice				
Jejunum	straw	Positive	growth of epithelial tissue	4.72E-06	240
	Rice				
Jejunum	straw	Positive	cell movement of endothelial cells	4.84E-06	132
	Rice				
Jejunum	straw	Positive	abnormal morphology of head	4.98E-06	289
	Rice				
Jejunum	straw	Positive	quantity of leukocytes	5.99E-06	315
	Rice				
Jejunum	straw	Positive	proliferation of connective tissue cells	5.99E-06	211
	Rice				
Jejunum	straw	Positive	proliferation of fibroblast cell lines	5.99E-06	155
	Rice				
Jejunum	straw	Positive	apoptosis of fibroblast cell lines	5.99E-06	123
	Rice				
Jejunum	straw	Positive	Gastrointestinal Tract Cancer and Tumors	6.33E-06	1594
	Rice				
Jejunum	straw	Positive	formation of leukocytes	7.23E-06	65
	Rice				
Jejunum	straw	Positive	interphase	7.70E-06	231
	Rice				
Jejunum	straw	Positive	HIV infection	8.17E-06	249
Jejunum	Rice	Positive	metabolism of protein	8.55E-06	332

	straw				
	Rice				
Jejunum	straw	Positive	growth of embryo	8.61E-06	172
	Rice				
Jejunum	straw	Positive	cell viability of tumor cell lines	9.37E-06	270
	Rice				
Jejunum	straw	Positive	metabolism of nucleotide	9.70E-06	159
	Rice				
Jejunum	straw	Positive	branching of cells	9.74E-06	136
	Rice				
Jejunum	straw	Positive	colon tumor	1.05E-05	1169
	Rice				
Jejunum	straw	Positive	cell death of fibroblast cell lines	1.06E-05	155
	Rice				
Jejunum	straw	Positive	cellular degradation	1.07E-05	97
	Rice				
Jejunum	straw	Positive	tumorigenesis of intestine	1.07E-05	1168
	Rice				
Jejunum	straw	Positive	colon cancer	1.10E-05	1162
	Rice				
Jejunum	straw	Positive	abnormal morphology of epithelial tissue	1.11E-05	152
	Rice				
Jejunum	straw	Positive	neoplasia of colon	1.14E-05	1165
	Rice				
Jejunum	straw	Positive	function of leukocytes	1.20E-05	191
	Rice				
Jejunum	straw	Positive	function of blood cells	1.28E-05	207
	Rice				
Jejunum	straw	Positive	abdominal carcinoma	1.29E-05	1842
	Rice				
Jejunum	straw	Positive	apoptosis of blood cells	1.35E-05	177
	Rice				
Jejunum	straw	Positive	death of perinatal stage organism	1.38E-05	37
	Rice				
Jejunum	straw	Positive	Neurodegeneration	1.39E-05	115
	Rice				
Jejunum	straw	Positive	biosynthesis of nucleoside triphosphate	1.47E-05	46
	Rice				
Jejunum	straw	Positive	metabolism of membrane lipid derivative	1.57E-05	141
	Rice				
Jejunum	straw	Positive	cognition	1.62E-05	163
	Rice				
Jejunum	straw	Positive	I-kappaB kinase/NF-kappaB cascade	1.66E-05	69
Jejunum	Rice	Positive	synthesis of carbohydrate	1.90E-05	153

	straw				
	Rice				
Jejunum	straw	Positive	transactivation	2.13E-05	203
	Rice				
Jejunum	straw	Positive	morphology of nervous system	2.26E-05	269
	Rice				
Jejunum	straw	Positive	cell movement of muscle cells	2.26E-05	71
	Rice				
Jejunum	straw	Positive	colorectal carcinoma	2.28E-05	1159
	Rice				
Jejunum	straw	Positive	learning	2.58E-05	150
	Rice				
Jejunum	straw	Positive	growth of lesion	2.63E-05	273
	Rice				
Jejunum	straw	Positive	cell death of fibroblasts	2.66E-05	99
	Rice				
Jejunum	straw	Positive	movement of vascular endothelial cells	2.72E-05	71
	Rice				
Jejunum	straw	Positive	cell movement of smooth muscle cells	2.85E-05	64
	Rice				
Jejunum	straw	Positive	morphogenesis of neurons	3.03E-05	152
	Rice				
Jejunum	straw	Positive	branching of neurites	3.04E-05	103
	Rice				
Jejunum	straw	Positive	growth of tumor	3.14E-05	272
	Rice				
Jejunum	straw	Positive	melanoma	3.24E-05	2026
	Rice				
Jejunum	straw	Positive	accumulation of lipid	3.30E-05	110
	Rice				
Jejunum	straw	Positive	benign neoplasm of female genital organ	3.33E-05	152
	Rice				
Jejunum	straw	Positive	fatty acid metabolism	3.49E-05	209
	Rice				
Jejunum	straw	Positive	infection by RNA virus	3.49E-05	294
	Rice				
Jejunum	straw	Positive	migration of muscle cells	3.57E-05	65
	Rice				
Jejunum	straw	Positive	morphology of muscle	3.57E-05	122
	Rice				
Jejunum	straw	Positive	female genital neoplasm	3.57E-05	1112
	Rice				
Jejunum	straw	Positive	quantity of blood cells	3.62E-05	344
Jejunum	Rice	Positive	neonatal death	4.05E-05	156

	straw				
	Rice				
Jejunum	straw	Positive	intestinal tumor	4.05E-05	1351
	Rice				
Jejunum	straw	Positive	colorectal neoplasia	4.05E-05	1347
	Rice				
Jejunum	straw	Positive	formation of muscle	4.19E-05	142
	Rice				
Jejunum	straw	Positive	cell death of embryonic cells	4.19E-05	48
	Rice				
Jejunum	straw	Positive	migration of smooth muscle cells	4.60E-05	59
	Rice				
Jejunum	straw	Positive	development of epithelial tissue	4.60E-05	181
	Rice				
Jejunum	straw	Positive	development of head	4.61E-05	329
	Rice				
Jejunum	straw	Positive	morphology of vessel	4.62E-05	112
	Rice				
Jejunum	straw	Positive	outgrowth of plasma membrane projections	4.79E-05	145
	Rice				
Jejunum	straw	Positive	colorectal cancer	5.11E-05	1328
	Rice				
Jejunum	straw	Positive	metabolism of DNA	5.18E-05	142
	Rice				
Jejunum	straw	Positive	peripheral vascular disease	5.37E-05	136
	Rice		intermediate disease stage peripheral arterial		
Jejunum	straw	Positive	disease	5.40E-05	62
	Rice				
Jejunum	straw	Positive	neuritogenesis	5.55E-05	202
	Rice				
Jejunum	straw	Positive	transmembrane potential of mitochondria	5.63E-05	81
	Rice				
Jejunum	straw	Positive	gastrointestinal adenocarcinoma	6.01E-05	1322
	Rice				
Jejunum	straw	Positive	degeneration of neurons	6.01E-05	89
	Rice				
Jejunum	straw	Positive	synthesis of nucleotide	6.08E-05	130
	Rice				
Jejunum	straw	Positive	intestinal cancer	6.13E-05	1329
	Rice				
Jejunum	straw	Positive	cell death of blood cells	6.38E-05	237
	Rice				
Jejunum	straw	Positive	abnormal morphology of nervous system	6.45E-05	247
Jejunum	Rice	Positive	development of cardiovascular tissue	6.45E-05	132

	straw				
	Rice				
Jejunum	straw	Positive	synthesis of fatty acid	6.51E-05	113
	Rice				
Jejunum	straw	Positive	genital tumor	6.76E-05	1253
	Rice				
Jejunum	straw	Positive	female genital tract serous cancer	7.16E-05	137
	Rice				
Jejunum	straw	Positive	cartilage development	7.22E-05	57
	Rice				
Jejunum	straw	Positive	attachment of cells	7.22E-05	54
	Rice				
Jejunum	straw	Positive	abnormal morphology of respiratory system	7.61E-05	111
	Rice				
Jejunum	straw	Positive	morphology of heart ventricle	7.87E-05	73
	Rice				
Jejunum	straw	Positive	long-term potentiation	7.92E-05	90
	Rice				
Jejunum	straw	Positive	cell viability of connective tissue cells	8.31E-05	53
	Rice				
Jejunum	straw	Positive	branching of neurons	8.31E-05	104
	Rice				
Jejunum	straw	Positive	degeneration of cells	8.77E-05	123
	Rice				
Jejunum	straw	Positive	survival of organism	9.33E-05	239
	Rice				
Jejunum	straw	Positive	morphology of respiratory system	9.62E-05	112
	Rice				
Jejunum	straw	Positive	cell death of stem cells	9.62E-05	36
	Rice				
Jejunum	straw	Positive	Bleeding	9.67E-05	149
	Rice				
Jejunum	straw	Positive	infection by HIV-1	9.84E-05	209
	Rice				
Jejunum	straw	Positive	function of cardiovascular system	1.02E-04	131
	Rice				
Jejunum	straw	Positive	morphogenesis of neurites	1.02E-04	147
	Rice				
Jejunum	straw	Positive	development of body axis	1.04E-04	348
	Rice				
Jejunum	straw	Positive	necrosis of epithelial tissue	1.06E-04	202
	Rice				
Jejunum	straw	Positive	homing of cells	1.07E-04	192
Jejunum	Rice	Positive	biosynthesis of purine ribonucleotide	1.10E-04	42

	straw				
	Rice				
Jejunum	straw	Positive	Growth Failure	1.12E-04	205
	Rice				
Jejunum	straw	Positive	cell movement of neutrophils	1.16E-04	107
	Rice				
Jejunum	straw	Positive	outgrowth of neurites	1.16E-04	142
	Rice				
Jejunum	straw	Positive	abnormal morphology of reproductive system	1.17E-04	176
	Rice				
Jejunum	straw	Positive	migration of granulocytes	1.23E-04	56
	Rice				
Jejunum	straw	Positive	morphology of blood vessel	1.23E-04	102
	Rice				
Jejunum	straw	Positive	formation of thymocytes	1.23E-04	43
	Rice				
Jejunum	straw	Positive	formation of plasma membrane projections	1.25E-04	204
	Rice				
Jejunum	straw	Positive	cell spreading	1.25E-04	100
	Rice				
Jejunum	straw	Positive	formation of blood cells	1.27E-04	74
	Rice				
Jejunum	straw	Positive	colorectal adenocarcinoma	1.31E-04	1117
	Rice				
Jejunum	straw	Positive	morphology of connective tissue	1.34E-04	160
	Rice				
Jejunum	straw	Positive	accumulation of steroid	1.38E-04	35
	Rice				
Jejunum	straw	Positive	formation of actin filaments	1.40E-04	109
	Rice				
Jejunum	straw	Positive	colony formation of cells	1.40E-04	170
	Rice				
Jejunum	straw	Positive	transport of protein	1.42E-04	108
	Rice				
Jejunum	straw	Positive	differentiation of connective tissue	1.44E-04	246
	Rice				
Jejunum	straw	Positive	activation of DNA endogenous promoter	1.44E-04	395
	Rice				
Jejunum	straw	Positive	proliferation of endothelial cells	1.52E-04	111
	Rice				
Jejunum	straw	Positive	peroxisomal disorder	1.57E-04	16
	Rice				
Jejunum	straw	Positive	homing	1.63E-04	196
Jejunum	Rice	Positive	formation of filopodia	1.63E-04	63

	straw				
	Rice				
Jejunum	straw	Positive	differentiation of connective tissue cells	1.64E-04	218
	Rice				
Jejunum	straw	Positive	development of blood cells	1.71E-04	221
	Rice				
Jejunum	straw	Positive	polyneuropathy	1.71E-04	44
	Rice				
Jejunum	straw	Positive	development of neurons	1.71E-04	262
	Rice				
Jejunum	straw	Positive	memory	1.71E-04	93
	Rice				
Jejunum	straw	Positive	concentration of Ca ²⁺	1.85E-04	50
	Rice				
Jejunum	straw	Positive	growth of plasma membrane projections	1.86E-04	161
	Rice				
Jejunum	straw	Positive	apoptosis of leukocytes	1.86E-04	158
	Rice				
Jejunum	straw	Positive	migration of endothelial cells	1.93E-04	116
	Rice				
Jejunum	straw	Positive	immune response of cells	1.97E-04	195
	Rice				
Jejunum	straw	Positive	morphology of reproductive system	1.97E-04	183
	Rice				
Jejunum	straw	Positive	serous ovarian carcinoma	1.99E-04	74
	Rice				
Jejunum	straw	Positive	development of hematopoietic system	1.99E-04	90
	Rice				
Jejunum	straw	Positive	benign ovarian tumor	2.00E-04	75
	Rice				
Jejunum	straw	Positive	proliferation of neuronal cells	2.03E-04	196
	Rice				
Jejunum	straw	Positive	autophagy	2.03E-04	131
	Rice				
Jejunum	straw	Positive	formation of T lymphocytes	2.03E-04	46
	Rice				
Jejunum	straw	Positive	development of leukocytes	2.06E-04	200
	Rice				
Jejunum	straw	Positive	morphology of genital organ	2.11E-04	147
	Rice				
Jejunum	straw	Positive	fibrosis of heart	2.11E-04	68
	Rice				
Jejunum	straw	Positive	cell death of central nervous system cells	2.11E-04	104
Jejunum	Rice	Positive	apoptosis of muscle	2.15E-04	94

	straw				
	Rice				
Jejunum	straw	Positive	endothelial cell development	2.15E-04	124
	Rice				
Jejunum	straw	Positive	quantity of lymphoid organ	2.15E-04	109
	Rice				
Jejunum	straw	Positive	development of endothelial tissue	2.15E-04	128
	Rice				
Jejunum	straw	Positive	cell movement of vascular smooth muscle cells	2.30E-04	45
	Rice				
Jejunum	straw	Positive	cell movement of blood cells	2.33E-04	290
	Rice				
Jejunum	straw	Positive	T cell development	2.33E-04	172
	Rice				
Jejunum	straw	Positive	multiple congenital anomalies	2.36E-04	146
	Rice				
Jejunum	straw	Positive	breast or ovarian cancer	2.37E-04	607
	Rice				
Jejunum	straw	Positive	Ras protein signal transduction	2.40E-04	28
	Rice				
Jejunum	straw	Positive	adenoma	2.40E-04	188
	Rice				
Jejunum	straw	Positive	expression of protein	2.40E-04	119
	Rice				
Jejunum	straw	Positive	cell movement of fibroblasts	2.43E-04	68
	Rice				
Jejunum	straw	Positive	cell death of immune cells	2.45E-04	222
	Rice				
Jejunum	straw	Positive	hereditary neuropathy	2.52E-04	62
	Rice				
Jejunum	straw	Positive	cell movement of granulocytes	2.54E-04	129
	Rice				
Jejunum	straw	Positive	potentiation of synapse	2.54E-04	57
	Rice				
Jejunum	straw	Positive	congenital malformation of skeleton	2.55E-04	146
	Rice				
Jejunum	straw	Positive	proliferation of cervical cancer cell lines	2.57E-04	74
	Rice				
Jejunum	straw	Positive	cell death of heart cells	2.61E-04	80
	Rice				
Jejunum	straw	Positive	apoptosis of muscle cells	2.73E-04	93
	Rice				
Jejunum	straw	Positive	migration of connective tissue cells	2.79E-04	67
Jejunum	Rice	Positive	formation of vascular lesion	2.80E-04	45

	straw				
	Rice				
Jejunum	straw	Positive	infection of cells	2.83E-04	265
	Rice				
Jejunum	straw	Positive	secretion of molecule	2.88E-04	187
	Rice				
Jejunum	straw	Positive	ruffling	2.92E-04	43
	Rice				
Jejunum	straw	Positive	concentration of phosphatidic acid	2.92E-04	52
	Rice				
Jejunum	straw	Positive	development of genitourinary system	2.92E-04	293
	Rice				
Jejunum	straw	Positive	abnormal morphology of genital organ	2.92E-04	141
	Rice				
Jejunum	straw	Positive	migration of myeloid cells	2.93E-04	62
	Rice				
Jejunum	straw	Positive	advanced stage peripheral arterial disease	3.00E-04	57
	Rice				
Jejunum	straw	Positive	cell viability of kidney cell lines	3.09E-04	32
	Rice				
Jejunum	straw	Positive	shape change of tumor cell lines	3.10E-04	58
	Rice				
Jejunum	straw	Positive	colony formation	3.12E-04	182
	Rice				
Jejunum	straw	Positive	recruitment of cells	3.15E-04	124
	Rice				
Jejunum	straw	Positive	chemotaxis of cells	3.18E-04	179
	Rice				
Jejunum	straw	Positive	morphology of gonad	3.18E-04	131
	Rice				
Jejunum	straw	Positive	Emery-Dreifuss muscular dystrophy	3.22E-04	28
	Rice				
Jejunum	straw	Positive	spatial learning	3.22E-04	68
	Rice				
Jejunum	straw	Positive	growth of neurites	3.22E-04	158
	Rice				
Jejunum	straw	Positive	migration of blood cells	3.24E-04	288
	Rice				
Jejunum	straw	Positive	cell death of heart	3.33E-04	82
	Rice				
Jejunum	straw	Positive	hereditary polyneuropathy	3.34E-04	40
	Rice				
Jejunum	straw	Positive	transactivation of RNA	3.36E-04	184
Jejunum	Rice	Positive	replication of RNA virus	3.36E-04	172

	straw				
	Rice				
Jejunum	straw	Positive	long-term potentiation of synapse	3.38E-04	56
	Rice				
Jejunum	straw	Positive	cell death of epithelial cells	3.40E-04	169
	Rice				
Jejunum	straw	Positive	proliferation of blood cells	3.66E-04	278
	Rice				
Jejunum	straw	Positive	morphology of central nervous system	3.72E-04	174
	Rice				
Jejunum	straw	Positive	formation of mononuclear leukocytes	3.79E-04	50
	Rice				
Jejunum	straw	Positive	leukocyte migration	3.79E-04	287
	Rice				
Jejunum	straw	Positive	development of connective tissue cells	3.83E-04	80
	Rice				
Jejunum	straw	Positive	development of reproductive system	3.83E-04	245
	Rice				
Jejunum	straw	Positive	chemotaxis	3.93E-04	184
	Rice				
Jejunum	straw	Positive	cell viability of embryonic cell lines	4.02E-04	29
	Rice				
Jejunum	straw	Positive	female genital tract adenocarcinoma	4.04E-04	895
	Rice				
Jejunum	straw	Positive	uptake of carbohydrate	4.16E-04	102
	Rice				
Jejunum	straw	Positive	function of phagocytes	4.19E-04	107
	Rice				
Jejunum	straw	Positive	concentration of phospholipid	4.31E-04	67
	Rice				
Jejunum	straw	Positive	cell death of cerebral cortex cells	4.33E-04	82
	Rice				
Jejunum	straw	Positive	outgrowth of cells	4.40E-04	148
	Rice				
Jejunum	straw	Positive	proliferation of fibroblasts	4.41E-04	122
	Rice				
Jejunum	straw	Positive	cell death of cardiomyocytes	4.41E-04	77
	Rice				
Jejunum	straw	Positive	proliferation of hepatoma cell lines	4.41E-04	72
	Rice				
Jejunum	straw	Positive	transmembrane potential	4.44E-04	98
	Rice				
Jejunum	straw	Positive	chronic psoriasis	4.46E-04	54
Jejunum	Rice	Positive	migration of vascular smooth muscle cells	4.58E-04	41

	straw				
	Rice				
Jejunum	straw	Positive	cell death of brain	4.61E-04	102
	Rice				
Jejunum	straw	Positive	size of embryo	4.73E-04	123
	Rice				
Jejunum	straw	Positive	cell death of mononuclear leukocytes	4.76E-04	136
	Rice				
Jejunum	straw	Positive	apoptosis of epithelial cells	4.76E-04	100
	Rice				
Jejunum	straw	Positive	proliferation of smooth muscle cells	4.76E-04	100
	Rice				
Jejunum	straw	Positive	cell death of cortical neurons	4.76E-04	64
	Rice				
Jejunum	straw	Positive	synthesis of ATP	4.77E-04	37
	Rice				
Jejunum	straw	Positive	organization of actin cytoskeleton	4.78E-04	105
	Rice				
Jejunum	straw	Positive	laminopathy	4.79E-04	30
	Rice				
Jejunum	straw	Positive	transport of alpha-amino acid	4.79E-04	30
	Rice				
Jejunum	straw	Positive	formation of lymphocytes	4.86E-04	48
	Rice				
Jejunum	straw	Positive	dephosphorylation of protein	4.90E-04	68
	Rice				
Jejunum	straw	Positive	apoptosis of fibroblasts	4.90E-04	78
	Rice				
Jejunum	straw	Positive	necrosis of cardiac muscle	4.90E-04	78
	Rice				
Jejunum	straw	Positive	cell death of neuroblastoma cell lines	4.93E-04	70
	Rice				
Jejunum	straw	Positive	proliferation of immune cells	5.11E-04	261
	Rice				
Jejunum	straw	Positive	cell movement of leukocytes	5.34E-04	253
	Rice				
Jejunum	straw	Positive	internalization of lipid	5.47E-04	14
	Rice				
Jejunum	straw	Positive	development of mononuclear leukocytes	5.47E-04	187
	Rice				
Jejunum	straw	Positive	differentiation of bone	5.48E-04	140
	Rice				
Jejunum	straw	Positive	quantity of metal	5.63E-04	168
Jejunum	Rice	Positive	dendritic growth/branching	5.63E-04	78

	straw					
	Rice					
Jejunum	straw	Positive	cell movement of tumor cells	5.64E-04	67	
	Rice					
Jejunum	straw	Positive	migration of cancer cells	5.71E-04	70	
	Rice					
Jejunum	straw	Positive	recruitment of phagocytes	5.84E-04	87	
	Rice					
Jejunum	straw	Positive	abnormal morphology of gonad	5.87E-04	125	
	Rice					
Jejunum	straw	Positive	migration of vascular endothelial cells	6.20E-04	61	
	Rice					
Jejunum	straw	Positive	morphology of limb	6.23E-04	82	
	Rice					
Jejunum	straw	Positive	cell movement of myeloid cells	6.24E-04	181	
	Rice					
Jejunum	straw	Positive	quantity of lymphatic system component	6.35E-04	129	
	Rice					
Jejunum	straw	Positive	craniofacial abnormality	6.40E-04	122	
	Rice					
Jejunum	straw	Positive	DNA replication	6.52E-04	88	
	Rice					
Jejunum	straw	Positive	ion homeostasis of cells	6.57E-04	186	
	Rice					
Jejunum	straw	Positive	colon carcinoma	6.57E-04	1077	
	Rice					
Jejunum	straw	Positive	uptake of monosaccharide	6.61E-04	94	
	Rice					
Jejunum	straw	Positive	development of lymphocytes	6.80E-04	185	
	Rice					
Jejunum	straw	Positive	mammary tumor	6.80E-04	519	
	Rice					
Jejunum	straw	Positive	recruitment of macrophages	6.91E-04	41	
	Rice					
Jejunum	straw	Positive	T cell homeostasis	7.03E-04	173	
	Rice					
Jejunum	straw	Positive	migration of fibroblasts	7.17E-04	53	
	Rice					
Jejunum	straw	Positive	arrest in growth of organism	7.18E-04	61	
	Rice					
Jejunum	straw	Positive	epileptic seizure	7.18E-04	61	
	Rice					
Jejunum	straw	Positive	size of lesion	7.18E-04	89	
Jejunum	Rice	Positive	synthesis of purine nucleotide	7.32E-04	63	

	straw				
	Rice				
Jejunum	straw	Positive	abnormal morphology of muscle	7.32E-04	109
	Rice				
Jejunum	straw	Positive	cell death of cervical cancer cell lines	7.39E-04	120
	Rice				
Jejunum	straw	Positive	apoptosis of heart cells	7.53E-04	68
	Rice				
Jejunum	straw	Positive	development of hematopoietic progenitor cells	7.53E-04	69
	Rice				
Jejunum	straw	Positive	differentiation of bone cells	7.53E-04	138
	Rice				
Jejunum	straw	Positive	urothelial cancer	7.63E-04	50
	Rice				
Jejunum	straw	Positive	cell death of muscle cells	7.64E-04	115
	Rice				
Jejunum	straw	Positive	transport of mitochondria	7.64E-04	13
	Rice				
Jejunum	straw	Positive	morphology of artery	7.81E-04	57
	Rice				
Jejunum	straw	Positive	fertility	7.95E-04	124
	Rice				
Jejunum	straw	Positive	proliferation of hematopoietic cells	8.02E-04	89
	Rice				
Jejunum	straw	Positive	Wound	8.04E-04	80
	Rice				
Jejunum	straw	Positive	arthropathy	8.16E-04	309
	Rice				
Jejunum	straw	Positive	cell viability of cervical cancer cell lines	8.19E-04	78
	Rice				
Jejunum	straw	Positive	tumorigenesis of reproductive tract	8.33E-04	1050
	Rice				
Jejunum	straw	Positive	cell viability of carcinoma cell lines	8.36E-04	53
	Rice				
Jejunum	straw	Positive	binding of DNA	8.39E-04	174
	Rice				
Jejunum	straw	Positive	formation of lymphoid organ	8.49E-04	92
	Rice				
Jejunum	straw	Positive	quantity of carbohydrate	8.71E-04	173
	Rice				
Jejunum	straw	Positive	quantity of metal ion	8.82E-04	149
	Rice				
Jejunum	straw	Positive	seizures	9.00E-04	135
Jejunum	Rice	Positive	female genital tract cancer	9.07E-04	1043

	straw				
	Rice				
Jejunum	straw	Positive	abnormal morphology of skeleton	9.17E-04	94
	Rice				
Jejunum	straw	Positive	migration of tumor cells	9.20E-04	79
	Rice				
Jejunum	straw	Positive	experimentally-induced diabetes	9.28E-04	37
	Rice				
Jejunum	straw	Positive	metabolism of D-hexose	9.28E-04	37
	Rice				
Jejunum	straw	Positive	hepatobiliary system cancer	9.33E-04	1324
	Rice				
Jejunum	straw	Positive	formation of thymus gland	9.36E-04	59
	Rice				
Jejunum	straw	Positive	Thrombosis	9.59E-04	61
	Rice				
Jejunum	straw	Positive	quantity of mononuclear leukocytes	9.65E-04	241
	Rice				
Jejunum	straw	Positive	degeneration of eye	9.65E-04	91
	Rice				
Jejunum	straw	Positive	Breast Cancer and Tumors	9.69E-04	485
	Rice				
Jejunum	straw	Positive	cognitive impairment	9.69E-04	113
	Rice				
Jejunum	straw	Positive	size of animal	9.69E-04	64
	Rice				
Jejunum	straw	Positive	development of hematopoietic cells	9.69E-04	70
	Rice				
Jejunum	straw	Positive	transport of carbohydrate	9.69E-04	69
	Rice				
Jejunum	straw	Positive	apoptosis of cardiomyocytes	9.69E-04	66
	Rice				
Jejunum	straw	Positive	import of lipid	9.69E-04	9
	Rice				
Jejunum	straw	Positive	cell death of renal glomerulus	9.75E-04	25
	Rice				
Jejunum	straw	Positive	psoriasis	9.81E-04	194
	Rice				
Jejunum	straw	Positive	cellular infiltration of cells	9.87E-04	134
	Rice				
Jejunum	straw	Positive	cell movement of cancer cells	9.87E-04	54
	Rice				
Jejunum	straw	Positive	morphology of joint	9.87E-04	28
Jejunum	Rice	Positive	growth of yeast	9.87E-04	38

	straw				
	Rice				
Jejunum	straw	Positive	cellular infiltration	9.92E-04	147
	Rice				
Jejunum	straw	Positive	Lymphocyte homeostasis	9.99E-04	181
	Rice				
Jejunum	straw	Positive	arthritis	1.03E-03	303
	Rice				
Jejunum	straw	Positive	cell death of muscle	1.03E-03	117
	Rice				
Jejunum	straw	Positive	abnormal morphology of skull	1.03E-03	77
	Rice				
Jejunum	straw	Positive	cell death of fibrosarcoma cell lines	1.03E-03	30
	Rice				
Jejunum	straw	Positive	tumorigenesis of genital organ	1.03E-03	1196
	Rice				
Jejunum	straw	Positive	homeostasis of leukocytes	1.03E-03	184
	Rice				
Jejunum	straw	Positive	replication of virus	1.03E-03	186
	Rice				
Jejunum	straw	Positive	morphology of right ventricle	1.03E-03	24
	Rice				
Jejunum	straw	Positive	autosomal dominant myopathy	1.04E-03	34
	Rice				
Jejunum	straw	Positive	urothelial neoplasm	1.07E-03	51
	Rice				
Jejunum	straw	Positive	abnormal morphology of joint	1.08E-03	27
	Rice				
Jejunum	straw	Positive	hypersensitive reaction	1.08E-03	144
	Rice				
Jejunum	straw	Positive	retinal degeneration	1.08E-03	89
	Rice				
Jejunum	straw	Positive	litter size	1.09E-03	66
	Rice				
Jejunum	straw	Positive	cell death of brain cells	1.09E-03	94
	Rice				
Jejunum	straw	Positive	apoptosis of neurons	1.10E-03	146
	Rice				
Jejunum	straw	Positive	necrosis of renal glomerulus	1.10E-03	23
	Rice				
Jejunum	straw	Positive	abnormal morphology of limb	1.11E-03	80
	Rice				
Jejunum	straw	Positive	growth of muscle tissue	1.13E-03	126
Jejunum	Rice	Positive	serous neoplasm	1.13E-03	201

	straw				
	Rice				
Jejunum	straw	Positive	liver tumor	1.14E-03	1325
	Rice				
Jejunum	straw	Positive	targeting of protein	1.14E-03	48
	Rice				
Jejunum	straw	Positive	abnormal morphology of abdomen	1.14E-03	284
	Rice				
Jejunum	straw	Positive	hereditary motor and sensory neuropathy	1.14E-03	35
	Rice				
Jejunum	straw	Positive	metabolism of D-glucose	1.14E-03	35
	Rice				
Jejunum	straw	Positive	G1 phase	1.14E-03	131
	Rice				
Jejunum	straw	Positive	morphology of skeleton	1.15E-03	96
	Rice				
Jejunum	straw	Positive	consumption of oxygen	1.16E-03	56
	Rice				
Jejunum	straw	Positive	formation of lymphatic system component	1.16E-03	100
	Rice		autosomal dominant Emery-Dreifuss muscular		
Jejunum	straw	Positive	dystrophy	1.16E-03	26
	Rice				
Jejunum	straw	Positive	proliferation of mononuclear leukocytes	1.16E-03	241
	Rice				
Jejunum	straw	Positive	permeability of cells	1.18E-03	38
	Rice				
Jejunum	straw	Positive	proliferation of T lymphocytes	1.19E-03	199
	Rice				
Jejunum	straw	Positive	arrest in growth of embryo	1.20E-03	59
	Rice				
Jejunum	straw	Positive	necrosis of muscle	1.25E-03	116
	Rice				
Jejunum	straw	Positive	synthesis of protein	1.25E-03	149
	Rice				
Jejunum	straw	Positive	breast cancer	1.25E-03	482
	Rice				
Jejunum	straw	Positive	oral cancer	1.25E-03	79
	Rice				
Jejunum	straw	Positive	proliferation of muscle cells	1.25E-03	125
	Rice				
Jejunum	straw	Positive	apoptosis of epithelial cell lines	1.27E-03	78
	Rice				
Jejunum	straw	Positive	juvenile dermatomyositis	1.27E-03	25
Jejunum	Rice	Positive	morphology of cardiovascular tissue	1.28E-03	34

	straw				
	Rice		abnormal morphology of vascular endothelial		
Jejunum	straw	Positive	cells	1.28E-03	19
	Rice				
Jejunum	straw	Positive	morphology of brain	1.28E-03	155
	Rice				
Jejunum	straw	Positive	quantity of lymphocytes	1.29E-03	231
	Rice				
Jejunum	straw	Positive	proliferation of hematopoietic progenitor cells	1.29E-03	84
	Rice				
Jejunum	straw	Positive	morphology of bone	1.29E-03	150
	Rice				
Jejunum	straw	Positive	formation of actin stress fibers	1.31E-03	83
	Rice				
Jejunum	straw	Positive	genital tract cancer	1.32E-03	1184
	Rice				
Jejunum	straw	Positive	proliferation of lymphocytes	1.33E-03	237
	Rice				
Jejunum	straw	Positive	liver cancer	1.35E-03	1315
	Rice				
Jejunum	straw	Positive	mental retardation	1.35E-03	81
	Rice				
Jejunum	straw	Positive	transitional cell bladder cancer	1.36E-03	44
	Rice				
Jejunum	straw	Positive	transport of amino acids	1.36E-03	49
	Rice				
Jejunum	straw	Positive	development of lymphatic system component	1.36E-03	105
	Rice				
Jejunum	straw	Positive	morphology of muscle cells	1.37E-03	59
	Rice				
Jejunum	straw	Positive	abnormal morphology of blood vessel	1.40E-03	91
	Rice				
Jejunum	straw	Positive	morphology of skull	1.41E-03	78
	Rice				
Jejunum	straw	Positive	seizure disorder	1.44E-03	156
	Rice				
Jejunum	straw	Positive	cellular infiltration of blood cells	1.52E-03	130
	Rice				
Jejunum	straw	Positive	differentiation of tumor cell lines	1.53E-03	127
	Rice				
Jejunum	straw	Positive	abnormal morphology of body wall	1.55E-03	39
	Rice				
Jejunum	straw	Positive	cell death of lymphocytes	1.57E-03	129
Jejunum	Rice	Positive	secretory pathway	1.57E-03	69

	straw				
	Rice				
Jejunum	straw	Positive	quantity of cellular protrusions	1.58E-03	57
	Rice				
Jejunum	straw	Positive	formation of skin	1.58E-03	123
	Rice				
Jejunum	straw	Positive	degeneration of central nervous system	1.58E-03	48
	Rice		abnormal morphology of central nervous		
Jejunum	straw	Positive	system	1.58E-03	160
	Rice				
Jejunum	straw	Positive	branching of vasculature	1.59E-03	14
	Rice				
Jejunum	straw	Positive	internalization of cells	1.59E-03	59
	Rice				
Jejunum	straw	Positive	cell movement of connective tissue cells	1.62E-03	77
	Rice				
Jejunum	straw	Positive	endometrium tumor	1.63E-03	887
	Rice				
Jejunum	straw	Positive	proliferation of bone marrow cells	1.64E-03	44
	Rice				
Jejunum	straw	Positive	cell viability of epithelial cell lines	1.64E-03	37
	Rice				
Jejunum	straw	Positive	glioma cancer	1.66E-03	105
	Rice				
Jejunum	straw	Positive	function of myeloid cells	1.68E-03	82
	Rice				
Jejunum	straw	Positive	apoptosis of neuroblastoma cell lines	1.70E-03	45
	Rice				
Jejunum	straw	Positive	metabolism of monosaccharide	1.70E-03	45
	Rice				
Jejunum	straw	Positive	development of digestive system	1.75E-03	128
	Rice				
Jejunum	straw	Positive	cell movement of epithelial cells	1.75E-03	53
	Rice				
Jejunum	straw	Positive	morphology of mitochondria	1.76E-03	38
	Rice				
Jejunum	straw	Positive	inflammatory response	1.76E-03	252
	Rice				
Jejunum	straw	Positive	abnormal morphology of artery	1.76E-03	54
	Rice				
Jejunum	straw	Positive	colon adenocarcinoma	1.84E-03	1049
	Rice				
Jejunum	straw	Positive	hereditary spastic paraplegia	1.87E-03	19
Jejunum	Rice	Positive	catabolism of protein	1.88E-03	197

	straw				
	Rice				
Jejunum	straw	Positive	quantity of connective tissue	1.88E-03	197
	Rice				
Jejunum	straw	Positive	adhesion of immune cells	1.88E-03	117
	Rice				
Jejunum	straw	Positive	gliosis of brain	1.91E-03	18
	Rice				
Jejunum	straw	Positive	organization of peroxisomes	1.92E-03	12
	Rice				
Jejunum	straw	Positive	formation of connective tissue cells	1.93E-03	73
	Rice				
Jejunum	straw	Positive	quantity of thymus gland	1.95E-03	80
	Rice				
Jejunum	straw	Positive	metabolism of hexose	1.98E-03	40
	Rice				
Jejunum	straw	Positive	disorder of pregnancy	1.98E-03	162
	Rice				
Jejunum	straw	Positive	cellular infiltration by leukocytes	2.00E-03	129
	Rice				
Jejunum	straw	Positive	cell movement of phagocytes	2.00E-03	180
	Rice				
Jejunum	straw	Positive	abnormal morphology of endothelial tissue	2.01E-03	26
	Rice				
Jejunum	straw	Positive	transport of L-amino acid	2.01E-03	26
	Rice				
Jejunum	straw	Negative	proliferation of cells	6.06E-47	1645
	Rice				
Jejunum	straw	Negative	malignant solid tumor	6.16E-42	4107
	Rice				
Jejunum	straw	Negative	cancer	6.16E-42	4151
	Rice				
Jejunum	straw	Negative	morbidity or mortality	1.21E-38	1122
	Rice				
Jejunum	straw	Negative	organismal death	1.21E-38	1109
	Rice				
Jejunum	straw	Negative	cell death	9.65E-38	1467
	Rice				
Jejunum	straw	Negative	morphology of cells	5.05E-33	909
	Rice				
Jejunum	straw	Negative	apoptosis	9.13E-32	1175
	Rice				
Jejunum	straw	Negative	organization of cytoplasm	6.12E-31	735
Jejunum	Rice	Negative	cell movement	1.34E-29	966

	straw				
	Rice				
Jejunum	straw	Negative	necrosis	2.43E-29	1136
	Rice				
Jejunum	straw	Negative	tumorigenesis of tissue	1.15E-28	3465
	Rice				
Jejunum	straw	Negative	neoplasia of epithelial tissue	1.42E-28	3413
	Rice				
Jejunum	straw	Negative	epithelial cancer	4.50E-27	3375
	Rice				
Jejunum	straw	Negative	organization of cytoskeleton	4.85E-26	660
	Rice				
Jejunum	straw	Negative	abdominal neoplasm	6.11E-25	3368
	Rice				
Jejunum	straw	Negative	migration of cells	2.46E-24	854
	Rice				
Jejunum	straw	Negative	differentiation of cells	5.51E-23	982
	Rice				
Jejunum	straw	Negative	abdominal cancer	7.13E-23	3319
	Rice				
Jejunum	straw	Negative	microtubule dynamics	6.85E-21	554
	Rice				
Jejunum	straw	Negative	transport of molecule	6.91E-21	724
	Rice				
Jejunum	straw	Negative	cellular homeostasis	8.70E-21	688
	Rice				
Jejunum	straw	Negative	expression of RNA	9.42E-20	925
	Rice				
Jejunum	straw	Negative	angiogenesis	4.00E-19	434
	Rice				
Jejunum	straw	Negative	transcription of RNA	5.52E-19	810
	Rice				
Jejunum	straw	Negative	cell death of tumor cell lines	5.80E-19	681
	Rice				
Jejunum	straw	Negative	transcription	7.13E-19	862
	Rice				
Jejunum	straw	Negative	cell survival	1.30E-18	627
	Rice				
Jejunum	straw	Negative	quantity of cells	6.01E-18	770
	Rice				
Jejunum	straw	Negative	cell viability	2.01E-17	585
	Rice				
Jejunum	straw	Negative	vasculogenesis	5.10E-17	355
Jejunum	Rice	Negative	digestive organ tumor	1.79E-16	2882

	straw				
	Rice				
Jejunum	straw	Negative	abnormal morphology of cells	4.10E-16	565
	Rice				
Jejunum	straw	Negative	formation of cellular protrusions	4.50E-16	420
	Rice				
Jejunum	straw	Negative	digestive system cancer	9.36E-16	2851
	Rice				
Jejunum	straw	Negative	Viral Infection	1.03E-15	698
	Rice				
Jejunum	straw	Negative	apoptosis of tumor cell lines	2.34E-15	540
	Rice				
Jejunum	straw	Negative	organization of organelle	2.77E-15	265
	Rice				
Jejunum	straw	Negative	cell movement of tumor cell lines	4.22E-15	395
	Rice				
Jejunum	straw	Negative	Movement Disorders	5.94E-15	478
	Rice				
Jejunum	straw	Negative	proliferation of tumor cell lines	9.02E-15	668
	Rice				
Jejunum	straw	Negative	cell death of connective tissue cells	1.03E-14	290
	Rice				
Jejunum	straw	Negative	proliferation of connective tissue cells	1.75E-14	285
	Rice				
Jejunum	straw	Negative	size of body	3.10E-14	391
	Rice				
Jejunum	straw	Negative	morphology of cardiovascular system	3.88E-14	295
	Rice				
Jejunum	straw	Negative	homing of cells	6.72E-14	268
	Rice				
Jejunum	straw	Negative	autosomal recessive disease	7.04E-14	418
	Rice				
Jejunum	straw	Negative	growth of connective tissue	8.37E-14	304
	Rice				
Jejunum	straw	Negative	migration of blood cells	8.87E-14	398
	Rice				
Jejunum	straw	Negative	leukocyte migration	1.10E-13	397
	Rice				
Jejunum	straw	Negative	quantity of blood cells	1.25E-13	459
	Rice				
Jejunum	straw	Negative	phosphorylation of protein	1.25E-13	341
	Rice				
Jejunum	straw	Negative	function of cardiovascular system	1.34E-13	186
Jejunum	Rice	Negative	transcription of DNA	1.49E-13	656

	straw				
	Rice				
Jejunum	straw	Negative	homing	1.94E-13	273
	Rice				
Jejunum	straw	Negative	quantity of leukocytes	2.54E-13	413
	Rice				
Jejunum	straw	Negative	concentration of lipid	5.97E-13	369
	Rice				
Jejunum	straw	Negative	cell spreading	8.04E-13	143
	Rice				
Jejunum	straw	Negative	chemotaxis of cells	8.72E-13	251
	Rice				
Jejunum	straw	Negative	development of cytoplasm	1.08E-12	223
	Rice				
Jejunum	straw	Negative	Growth Failure	1.48E-12	280
	Rice				
Jejunum	straw	Negative	chemotaxis	2.14E-12	257
	Rice				
Jejunum	straw	Negative	cell movement of leukocytes	2.96E-12	348
	Rice				
Jejunum	straw	Negative	formation of cytoskeleton	5.22E-12	184
	Rice				
Jejunum	straw	Negative	proliferation of fibroblasts	5.24E-12	174
	Rice				
Jejunum	straw	Negative	metabolism of carbohydrate	5.74E-12	287
	Rice				
Jejunum	straw	Negative	invasion of cells	6.14E-12	388
	Rice				
Jejunum	straw	Negative	protein kinase cascade	6.51E-12	203
	Rice				
Jejunum	straw	Negative	synthesis of lipid	6.63E-12	325
	Rice				
Jejunum	straw	Negative	migration of tumor cell lines	1.84E-11	320
	Rice				
Jejunum	straw	Negative	inflammatory response	2.06E-11	349
	Rice				
Jejunum	straw	Negative	development of body trunk	2.66E-11	482
	Rice				
Jejunum	straw	Negative	growth of organism	3.43E-11	371
	Rice				
Jejunum	straw	Negative	growth of embryo	3.43E-11	224
	Rice				
Jejunum	straw	Negative	cell movement of myeloid cells	4.13E-11	250
Jejunum	Rice	Negative	fibrogenesis	4.20E-11	196

	straw				
	Rice				
Jejunum	straw	Negative	necrosis of epithelial tissue	4.36E-11	270
	Rice				
Jejunum	straw	Negative	ubiquitination	5.20E-11	164
	Rice				
Jejunum	straw	Negative	function of blood cells	8.24E-11	268
	Rice				
Jejunum	straw	Negative	development of vasculature	8.24E-11	198
	Rice				
Jejunum	straw	Negative	morphology of body cavity	9.20E-11	509
	Rice				
Jejunum	straw	Negative	formation of filaments	9.27E-11	189
	Rice				
Jejunum	straw	Negative	ubiquitination of protein	9.27E-11	161
	Rice				
Jejunum	straw	Negative	disorder of basal ganglia	9.36E-11	341
	Rice				
Jejunum	straw	Negative	transactivation	1.05E-10	264
	Rice				
Jejunum	straw	Negative	morphology of heart	1.13E-10	192
	Rice				
Jejunum	straw	Negative	cell cycle progression	1.30E-10	451
	Rice				
Jejunum	straw	Negative	abnormal morphology of thoracic cavity	1.35E-10	267
	Rice				
Jejunum	straw	Negative	cell death of fibroblast cell lines	2.25E-10	200
	Rice				
Jejunum	straw	Negative	colony formation of cells	2.26E-10	227
	Rice				
Jejunum	straw	Negative	degeneration of cells	2.26E-10	165
	Rice				
Jejunum	straw	Negative	Huntington's Disease	2.43E-10	261
	Rice				
Jejunum	straw	Negative	apoptosis of fibroblast cell lines	2.53E-10	158
	Rice				
Jejunum	straw	Negative	abnormal morphology of cardiovascular system	2.53E-10	258
	Rice				
Jejunum	straw	Negative	activation of cells	3.19E-10	422
	Rice				
Jejunum	straw	Negative	abnormal morphology of body cavity	3.74E-10	485
	Rice				
Jejunum	straw	Negative	differentiation of connective tissue cells	3.74E-10	288
Jejunum	Rice	Negative	invasion of tumor cell lines	3.89E-10	297

	straw				
	Rice				
Jejunum	straw	Negative	proliferation of blood cells	3.89E-10	368
	Rice				
Jejunum	straw	Negative	dyskinesia	4.59E-10	277
	Rice				
Jejunum	straw	Negative	formation of muscle	5.07E-10	186
	Rice				
Jejunum	straw	Negative	metabolism of protein	7.57E-10	418
	Rice				
Jejunum	straw	Negative	neurological signs	7.60E-10	290
	Rice				
Jejunum	straw	Negative	cell viability of tumor cell lines	8.40E-10	341
	Rice				
Jejunum	straw	Negative	activation of DNA endogenous promoter	9.12E-10	509
	Rice				
Jejunum	straw	Negative	proliferation of neuronal cells	9.32E-10	259
	Rice				
Jejunum	straw	Negative	development of neurons	9.91E-10	342
	Rice				
Jejunum	straw	Negative	differentiation of connective tissue	9.97E-10	321
	Rice				
Jejunum	straw	Negative	cell movement of fibroblasts	1.03E-09	94
	Rice				
Jejunum	straw	Negative	mitosis	1.04E-09	226
	Rice				
Jejunum	straw	Negative	morphology of muscle	1.04E-09	159
	Rice				
Jejunum	straw	Negative	Neurodegeneration	2.02E-09	147
	Rice				
Jejunum	straw	Negative	neuromuscular disease	2.24E-09	380
	Rice				
Jejunum	straw	Negative	cell transformation	2.29E-09	210
	Rice				
Jejunum	straw	Negative	colony formation	2.50E-09	241
	Rice				
Jejunum	straw	Negative	infection of cells	2.54E-09	346
	Rice				
Jejunum	straw	Negative	cell movement of phagocytes	2.74E-09	246
	Rice				
Jejunum	straw	Negative	function of leukocytes	2.88E-09	241
	Rice				
Jejunum	straw	Negative	quantity of connective tissue	4.07E-09	267
Jejunum	Rice	Negative	neuritogenesis	4.08E-09	259

	straw				
	Rice				
Jejunum	straw	Negative	development of blood cells	4.25E-09	287
	Rice				
Jejunum	straw	Negative	vascularization	4.62E-09	115
	Rice				
Jejunum	straw	Negative	cell death of muscle	6.48E-09	160
	Rice				
Jejunum	straw	Negative	degeneration of nervous system	6.63E-09	136
	Rice				
Jejunum	straw	Negative	synthesis of reactive oxygen species	6.63E-09	216
	Rice				
Jejunum	straw	Negative	transactivation of RNA	6.63E-09	242
	Rice				
Jejunum	straw	Negative	growth of epithelial tissue	6.63E-09	297
	Rice				
Jejunum	straw	Negative	engulfment of cells	6.63E-09	186
	Rice				
Jejunum	straw	Negative	replication of virus	7.10E-09	249
	Rice				
Jejunum	straw	Negative	length of cells	7.23E-09	56
	Rice				
Jejunum	straw	Negative	cell death of muscle cells	7.83E-09	156
	Rice				
Jejunum	straw	Negative	Hypertrophy	7.91E-09	213
	Rice				
Jejunum	straw	Negative	necrosis of muscle	7.91E-09	159
	Rice				
Jejunum	straw	Negative	proliferation of immune cells	8.15E-09	341
	Rice				
Jejunum	straw	Negative	behavior	8.54E-09	418
	Rice				
Jejunum	straw	Negative	replication of RNA virus	9.37E-09	226
	Rice				
Jejunum	straw	Negative	cell movement of endothelial cells	1.11E-08	163
	Rice				
Jejunum	straw	Negative	development of epithelial tissue	1.11E-08	230
	Rice				
Jejunum	straw	Negative	metabolism of membrane lipid derivative	1.15E-08	177
	Rice				
Jejunum	straw	Negative	cell movement of connective tissue cells	1.15E-08	108
	Rice				
Jejunum	straw	Negative	degeneration of neurons	1.19E-08	115
Jejunum	Rice	Negative	quantity of phagocytes	1.20E-08	192

	straw				
	Rice				
Jejunum	straw	Negative	recruitment of cells	1.23E-08	164
	Rice				
Jejunum	straw	Negative	formation of plasma membrane projections	1.24E-08	262
	Rice				
Jejunum	straw	Negative	abnormal morphology of heart	1.27E-08	175
	Rice				
Jejunum	straw	Negative	secretory pathway	1.41E-08	97
	Rice				
Jejunum	straw	Negative	quantity of lymphocytes	1.47E-08	306
	Rice				
Jejunum	straw	Negative	quantity of mononuclear leukocytes	1.55E-08	317
	Rice				
Jejunum	straw	Negative	cell death of epithelial cells	1.75E-08	221
	Rice				
Jejunum	straw	Negative	proliferation of fibroblast cell lines	1.76E-08	191
	Rice				
Jejunum	straw	Negative	metabolism of reactive oxygen species	1.89E-08	222
	Rice				
Jejunum	straw	Negative	morphology of connective tissue	1.96E-08	206
	Rice				
Jejunum	straw	Negative	organization of actin cytoskeleton	2.21E-08	140
	Rice				
Jejunum	straw	Negative	development of connective tissue	2.21E-08	169
	Rice				
Jejunum	straw	Negative	vascularization of body region	2.62E-08	70
	Rice				
Jejunum	straw	Negative	function of muscle	2.90E-08	159
	Rice				
Jejunum	straw	Negative	cell movement of neutrophils	3.03E-08	138
	Rice				
Jejunum	straw	Negative	development of leukocytes	3.03E-08	257
	Rice				
Jejunum	straw	Negative	neuronal cell death	3.06E-08	294
	Rice				
Jejunum	straw	Negative	cellular degradation	3.06E-08	120
	Rice				
Jejunum	straw	Negative	exocytosis	3.38E-08	93
	Rice				
Jejunum	straw	Negative	uptake of monosaccharide	3.63E-08	126
	Rice				
Jejunum	straw	Negative	morphology of nervous system	3.63E-08	334
Jejunum	Rice	Negative	growth of plasma membrane projections	3.94E-08	207

	straw				
	Rice				
Jejunum	straw	Negative	congenital anomaly of musculoskeletal system	4.03E-08	315
	Rice				
Jejunum	straw	Negative	development of lymphatic system	4.06E-08	162
	Rice				
Jejunum	straw	Negative	abnormal morphology of abdomen	4.20E-08	370
	Rice				
Jejunum	straw	Negative	learning	4.35E-08	187
	Rice				
Jejunum	straw	Negative	formation of cells	4.45E-08	411
	Rice				
Jejunum	straw	Negative	long-term potentiation	4.68E-08	115
	Rice				
Jejunum	straw	Negative	chemotaxis of myeloid cells	5.22E-08	135
	Rice				
Jejunum	straw	Negative	abnormal morphology of respiratory system	5.58E-08	141
	Rice				
Jejunum	straw	Negative	apoptosis of heart cells	5.82E-08	92
	Rice				
Jejunum	straw	Negative	apoptosis of cardiomyocytes	5.98E-08	90
	Rice				
Jejunum	straw	Negative	cellular infiltration by leukocytes	6.28E-08	174
	Rice				
Jejunum	straw	Negative	cell death of blood cells	6.34E-08	297
	Rice				
Jejunum	straw	Negative	uptake of carbohydrate	6.70E-08	134
	Rice				
Jejunum	straw	Negative	activation of blood cells	7.14E-08	318
	Rice				
Jejunum	straw	Negative	cardiogenesis	7.62E-08	208
	Rice				
Jejunum	straw	Negative	proliferation of hematopoietic cells	7.62E-08	119
	Rice				
Jejunum	straw	Negative	migration of connective tissue cells	8.02E-08	88
	Rice				
Jejunum	straw	Negative	cellular infiltration	8.07E-08	194
	Rice				
Jejunum	straw	Negative	accumulation of lipid	8.36E-08	137
	Rice				
Jejunum	straw	Negative	abnormal morphology of epithelial tissue	8.66E-08	186
	Rice				
Jejunum	straw	Negative	benign neoplasia	8.66E-08	387
Jejunum	Rice	Negative	morphology of respiratory system	9.18E-08	142

	straw					
	Rice					
Jejunum	straw	Negative	cell death of epithelial cell lines	1.01E-07	130	
	Rice					
Jejunum	straw	Negative	outgrowth of plasma membrane projections	1.04E-07	181	
	Rice					
Jejunum	straw	Negative	formation of actin filaments	1.10E-07	139	
	Rice					
Jejunum	straw	Negative	cell death of heart cells	1.12E-07	104	
	Rice					
Jejunum	straw	Negative	cognition	1.13E-07	200	
	Rice					
Jejunum	straw	Negative	growth of muscle tissue	1.14E-07	167	
	Rice					
Jejunum	straw	Negative	proliferation of muscle cells	1.22E-07	166	
	Rice					
Jejunum	straw	Negative	growth of neurites	1.22E-07	203	
	Rice					
Jejunum	straw	Negative	cell death of heart	1.25E-07	107	
	Rice					
Jejunum	straw	Negative	cell death of immune cells	1.26E-07	282	
	Rice					
Jejunum	straw	Negative	seizure disorder	1.32E-07	206	
	Rice					
Jejunum	straw	Negative	apoptosis of connective tissue cells	1.35E-07	135	
	Rice					
Jejunum	straw	Negative	infection by RNA virus	1.35E-07	363	
	Rice					
Jejunum	straw	Negative	muscular hypertrophy	1.38E-07	97	
	Rice					
Jejunum	straw	Negative	T cell development	1.41E-07	219	
	Rice					
Jejunum	straw	Negative	quantity of T lymphocytes	1.46E-07	232	
	Rice					
Jejunum	straw	Negative	proliferation of hematopoietic progenitor cells	1.49E-07	113	
	Rice					
Jejunum	straw	Negative	development of cardiovascular tissue	1.50E-07	165	
	Rice					
Jejunum	straw	Negative	activation of leukocytes	1.52E-07	297	
	Rice					
Jejunum	straw	Negative	cell death of cardiomyocytes	1.52E-07	101	
	Rice					
Jejunum	straw	Negative	migration of endothelial cells	1.54E-07	148	
Jejunum	Rice	Negative	breast or colorectal cancer	1.54E-07	1881	

	straw				
	Rice				
Jejunum	straw	Negative	morphology of heart ventricle	1.54E-07	92
	Rice				
Jejunum	straw	Negative	interphase	1.56E-07	280
	Rice				
Jejunum	straw	Negative	cellular infiltration of cells	1.60E-07	176
	Rice				
Jejunum	straw	Negative	apoptosis of epithelial cell lines	1.62E-07	105
	Rice				
Jejunum	straw	Negative	development of lymphocytes	1.66E-07	239
	Rice				
Jejunum	straw	Negative	cell movement of granulocytes	1.72E-07	165
	Rice				
Jejunum	straw	Negative	migration of fibroblasts	1.77E-07	71
	Rice				
Jejunum	straw	Negative	morphology of vessel	1.80E-07	139
	Rice				
Jejunum	straw	Negative	differentiation of muscle cell lines	1.85E-07	79
	Rice				
Jejunum	straw	Negative	survival of organism	1.93E-07	298
	Rice				
Jejunum	straw	Negative	development of head	2.00E-07	406
	Rice				
Jejunum	straw	Negative	generation of reactive oxygen species	2.16E-07	97
	Rice				
Jejunum	straw	Negative	development of mononuclear leukocytes	2.28E-07	240
	Rice				
Jejunum	straw	Negative	necrosis of cardiac muscle	2.28E-07	102
	Rice				
Jejunum	straw	Negative	homing of blood cells	2.29E-07	168
	Rice				
Jejunum	straw	Negative	proliferation of embryonic cell lines	2.47E-07	77
	Rice				
Jejunum	straw	Negative	demyelination	2.47E-07	61
	Rice				
Jejunum	straw	Negative	quantity of metal	2.51E-07	216
	Rice				
Jejunum	straw	Negative	synthesis of nitric oxide	2.55E-07	126
	Rice				
Jejunum	straw	Negative	outgrowth of neurites	2.56E-07	178
	Rice				
Jejunum	straw	Negative	T cell homeostasis	2.61E-07	223
Jejunum	Rice	Negative	function of phagocytes	2.71E-07	138

	straw				
	Rice				
Jejunum	straw	Negative	cell death of fibroblasts	2.71E-07	121
	Rice				
Jejunum	straw	Negative	abnormal morphology of muscle	3.08E-07	142
	Rice				
Jejunum	straw	Negative	development of lymphatic system component	3.08E-07	139
	Rice				
Jejunum	straw	Negative	function of myeloid cells	3.11E-07	110
	Rice				
Jejunum	straw	Negative	synthesis of carbohydrate	3.15E-07	186
	Rice				
Jejunum	straw	Negative	morphology of head	3.18E-07	364
	Rice				
Jejunum	straw	Negative	infection by Retroviridae	3.20E-07	303
	Rice				
Jejunum	straw	Negative	outgrowth of neurons	3.20E-07	179
	Rice				
Jejunum	straw	Negative	shape change of tumor cell lines	3.22E-07	75
	Rice				
Jejunum	straw	Negative	homeostasis of leukocytes	3.25E-07	238
	Rice				
Jejunum	straw	Negative	endothelial cell development	3.26E-07	157
	Rice				
Jejunum	straw	Negative	development of endothelial tissue	3.26E-07	162
	Rice				
Jejunum	straw	Negative	mass of organism	3.26E-07	149
	Rice				
Jejunum	straw	Negative	Lymphocyte homeostasis	3.30E-07	234
	Rice				
Jejunum	straw	Negative	abnormal morphology of nervous system	3.38E-07	305
	Rice				
Jejunum	straw	Negative	chemotaxis of phagocytes	3.54E-07	133
	Rice				
Jejunum	straw	Negative	proliferation of mononuclear leukocytes	3.67E-07	310
	Rice				
Jejunum	straw	Negative	chemotaxis of leukocytes	3.83E-07	157
	Rice				
Jejunum	straw	Negative	differentiation of epithelial tissue	3.96E-07	159
	Rice				
Jejunum	straw	Negative	recruitment of phagocytes	3.97E-07	113
	Rice				
Jejunum	straw	Negative	morphology of lymphatic system component	4.00E-07	182
Jejunum	Rice	Negative	homing of leukocytes	4.00E-07	166

	straw				
	Rice				
Jejunum	straw	Negative	formation of vascular lesion	4.05E-07	58
	Rice				
Jejunum	straw	Negative	seizures	4.05E-07	175
	Rice				
Jejunum	straw	Negative	apoptosis of muscle	4.33E-07	119
	Rice				
Jejunum	straw	Negative	small GTPase mediated signal transduction	4.48E-07	87
	Rice				
Jejunum	straw	Negative	formation of actin stress fibers	4.55E-07	110
	Rice				
Jejunum	straw	Negative	infection by lentivirus	4.74E-07	300
	Rice				
Jejunum	straw	Negative	HIV infection	5.10E-07	299
	Rice				
Jejunum	straw	Negative	fatty acid metabolism	5.33E-07	255
	Rice				
Jejunum	straw	Negative	arthropathy	5.33E-07	392
	Rice				
Jejunum	straw	Negative	differentiation of blood cells	5.39E-07	350
	Rice				
Jejunum	straw	Negative	apoptosis of muscle cells	5.57E-07	118
	Rice				
Jejunum	straw	Negative	differentiation of bone	5.64E-07	179
	Rice				
Jejunum	straw	Negative	apoptosis of pheochromocytoma cell lines	5.73E-07	48
	Rice				
Jejunum	straw	Negative	differentiation of leukocytes	5.78E-07	283
	Rice				
Jejunum	straw	Negative	size of embryo	6.14E-07	157
	Rice				
Jejunum	straw	Negative	recruitment of leukocytes	6.16E-07	144
	Rice				
Jejunum	straw	Negative	binding of DNA	6.16E-07	223
	Rice				
Jejunum	straw	Negative	outgrowth of cells	6.23E-07	188
	Rice				
Jejunum	straw	Negative	ion homeostasis of cells	6.25E-07	237
	Rice				
Jejunum	straw	Negative	secretion of molecule	6.35E-07	235
	Rice				
Jejunum	straw	Negative	recruitment of blood cells	6.36E-07	146
Jejunum	Rice	Negative	S phase	6.63E-07	118

	straw				
	Rice				
Jejunum	straw	Negative	proliferation of lymphocytes	6.63E-07	304
	Rice				
Jejunum	straw	Negative	function of heart	6.63E-07	106
	Rice				
Jejunum	straw	Negative	uterine serous papillary cancer	6.63E-07	106
	Rice				
Jejunum	straw	Negative	infection by HIV-1	6.65E-07	258
	Rice				
Jejunum	straw	Negative	length of neurons	6.68E-07	46
	Rice				
Jejunum	straw	Negative	development of body axis	6.81E-07	429
	Rice				
Jejunum	straw	Negative	arthritis	6.81E-07	385
	Rice				
Jejunum	straw	Negative	dysmyelination	6.96E-07	66
	Rice				
Jejunum	straw	Negative	proliferation of embryonic cells	6.96E-07	113
	Rice				
Jejunum	straw	Negative	quantity of interleukin	7.07E-07	68
	Rice				
Jejunum	straw	Negative	differentiation of bone cells	7.17E-07	177
	Rice				
Jejunum	straw	Negative	cell movement of muscle cells	7.44E-07	85
	Rice				
Jejunum	straw	Negative	cell movement of mononuclear leukocytes	7.44E-07	199
	Rice				
Jejunum	straw	Negative	quantity of antigen presenting cells	8.20E-07	124
	Rice				
Jejunum	straw	Negative	proliferation of epithelial cells	8.20E-07	211
	Rice				
Jejunum	straw	Negative	phosphorylation of L-amino acid	8.20E-07	101
	Rice				
Jejunum	straw	Negative	cell death of cervical cancer cell lines	8.40E-07	154
	Rice				
Jejunum	straw	Negative	quantity of metal ion	8.57E-07	191
	Rice				
Jejunum	straw	Negative	quantity of myeloid cells	8.61E-07	156
	Rice				
Jejunum	straw	Negative	quantity of carbohydrate	8.74E-07	221
	Rice				
Jejunum	straw	Negative	hypertrophy of cells	8.74E-07	129
Jejunum	Rice	Negative	metabolism of peptide	8.88E-07	87

	straw				
	Rice				
Jejunum	straw	Negative	Organ Degeneration	9.26E-07	211
	Rice				
Jejunum	straw	Negative	abnormal morphology of head	9.27E-07	344
	Rice				
Jejunum	straw	Negative	function of antigen presenting cells	9.27E-07	111
	Rice				
Jejunum	straw	Negative	heart rate	9.75E-07	124
	Rice				
Jejunum	straw	Negative	abnormal morphology of digestive system	1.03E-06	231
	Rice				
Jejunum	straw	Negative	formation of skin	1.05E-06	160
	Rice				
Jejunum	straw	Negative	growth of lesion	1.11E-06	330
	Rice				
Jejunum	straw	Negative	migration of muscle cells	1.13E-06	78
	Rice				
Jejunum	straw	Negative	cell death of endothelial cells	1.14E-06	93
	Rice				
Jejunum	straw	Negative	proliferation of smooth muscle cells	1.18E-06	127
	Rice				
Jejunum	straw	Negative	synthesis of DNA	1.19E-06	180
	Rice				
Jejunum	straw	Negative	hypertrophy of heart	1.23E-06	148
	Rice				
Jejunum	straw	Negative	size of cells	1.29E-06	185
	Rice				
Jejunum	straw	Negative	growth of tumor	1.30E-06	329
	Rice				
Jejunum	straw	Negative	hypertrophy of tissue	1.35E-06	115
	Rice				
Jejunum	straw	Negative	quantity of cytokine	1.44E-06	114
	Rice				
Jejunum	straw	Negative	hyperesthesia	1.45E-06	57
	Rice				
Jejunum	straw	Negative	cell movement of smooth muscle cells	1.53E-06	76
	Rice				
Jejunum	straw	Negative	metabolism of monosaccharide	1.58E-06	60
	Rice				
Jejunum	straw	Negative	maturation of cells	1.68E-06	195
	Rice				
Jejunum	straw	Negative	synthesis of phospholipid	1.70E-06	82
Jejunum	Rice	Negative	modification of peptide	1.73E-06	53

	straw					
	Rice					
Jejunum	straw	Negative	Edema		1.76E-06	150
	Rice					
Jejunum	straw	Negative	hypersensitive reaction		1.83E-06	184
	Rice					
Jejunum	straw	Negative	Bleeding		1.83E-06	182
	Rice					
Jejunum	straw	Negative	growth of embryonic tissue		1.92E-06	122
	Rice					
Jejunum	straw	Negative	apoptosis of endothelial cells		1.96E-06	85
	Rice					
Jejunum	straw	Negative	autophagy		1.97E-06	162
	Rice					
Jejunum	straw	Negative	proliferation of epithelial cell lines		2.01E-06	104
	Rice					
Jejunum	straw	Negative	transport of carbohydrate		2.13E-06	89
	Rice					
Jejunum	straw	Negative	attachment of cells		2.27E-06	65
	Rice					
Jejunum	straw	Negative	metabolism of phospholipid		2.36E-06	105
	Rice					
Jejunum	straw	Negative	quantity of IL-6 in blood		2.80E-06	44
	Rice					
Jejunum	straw	Negative	proliferation of kidney cell lines		2.91E-06	81
	Rice					
Jejunum	straw	Negative	migration of smooth muscle cells		2.94E-06	70
	Rice					
Jejunum	straw	Negative	exocytosis by cells		3.04E-06	61
	Rice					
Jejunum	straw	Negative	breast or ovarian cancer		3.08E-06	746
	Rice					
Jejunum	straw	Negative	morphology of digestive system		3.15E-06	239
	Rice					
Jejunum	straw	Negative	cell death of central nervous system cells		3.28E-06	128
	Rice					
Jejunum	straw	Negative	morphology of bone		3.37E-06	191
	Rice					
Jejunum	straw	Negative	cell death of liver cells		3.40E-06	89
	Rice					
Jejunum	straw	Negative	skin abnormality		3.42E-06	102
	Rice					
Jejunum	straw	Negative	morphology of blood vessel		3.52E-06	124
Jejunum	Rice	Negative	organization of filaments		3.52E-06	93

	straw				
	Rice				
Jejunum	straw	Negative	connective or soft tissue tumor	3.64E-06	291
	Rice				
Jejunum	straw	Negative	congenital malformation of skeleton	3.70E-06	180
	Rice				
Jejunum	straw	Negative	apoptosis of epithelial cells	3.95E-06	125
	Rice				
Jejunum	straw	Negative	cell death of pheochromocytoma cell lines	3.97E-06	58
	Rice				
Jejunum	straw	Negative	quantity of muscle	4.10E-06	62
	Rice				
Jejunum	straw	Negative	cytostasis	4.20E-06	124
	Rice				
Jejunum	straw	Negative	development of digestive system	4.21E-06	164
	Rice				
Jejunum	straw	Negative	production of reactive oxygen species	4.41E-06	157
	Rice				
Jejunum	straw	Negative	perinatal death	4.98E-06	247
	Rice				
Jejunum	straw	Negative	potentiation of synapse	5.04E-06	70
	Rice				
Jejunum	straw	Negative	atrophy of muscle	5.13E-06	69
	Rice				
Jejunum	straw	Negative	cell spreading of fibroblast cell lines	5.19E-06	31
	Rice				
Jejunum	straw	Negative	activation of Protein kinase	5.47E-06	111
	Rice				
Jejunum	straw	Negative	concentration of phosphatidic acid	5.47E-06	64
	Rice				
Jejunum	straw	Negative	cell viability of connective tissue cells	5.49E-06	63
	Rice				
Jejunum	straw	Negative	concentration of fatty acid	5.69E-06	122
	Rice				
Jejunum	straw	Negative	contraction of heart	5.69E-06	82
	Rice				
Jejunum	straw	Negative	neovascularization	5.69E-06	75
	Rice				
Jejunum	straw	Negative	concentration of acylglycerol	5.83E-06	144
	Rice				
Jejunum	straw	Negative	quantity of Ca ²⁺	6.04E-06	173
	Rice				
Jejunum	straw	Negative	Rheumatic Disease	6.05E-06	432
Jejunum	Rice	Negative	abnormal morphology of heart ventricle	6.10E-06	80

	straw				
	Rice				
Jejunum	straw	Negative	morphology of cardiovascular tissue	6.10E-06	44
	Rice				
Jejunum	straw	Negative	female genital tract serous cancer	6.46E-06	164
	Rice				
Jejunum	straw	Negative	formation of eye	6.60E-06	185
	Rice				
Jejunum	straw	Negative	long-term potentiation of synapse	6.60E-06	69
	Rice				
Jejunum	straw	Negative	dilation of heart ventricle	6.80E-06	30
	Rice				
Jejunum	straw	Negative	concentration of phospholipid	6.81E-06	83
	Rice				
Jejunum	straw	Negative	midline defect	6.85E-06	116
	Rice				
Jejunum	straw	Negative	activation of enzyme	6.88E-06	165
	Rice				
Jejunum	straw	Negative	quantity of muscle cells	7.11E-06	56
	Rice				
Jejunum	straw	Negative	function of macrophages	7.37E-06	81
	Rice				
Jejunum	straw	Negative	sprouting	7.37E-06	164
	Rice				
Jejunum	straw	Negative	serine phosphorylation	7.41E-06	47
	Rice				
Jejunum	straw	Negative	apoptosis of liver	7.62E-06	73
	Rice				
Jejunum	straw	Negative	proliferation of lymphatic system cells	7.62E-06	90
	Rice				
Jejunum	straw	Negative	differentiation of epithelial cells	7.65E-06	135
	Rice				
Jejunum	straw	Negative	I-kappaB kinase/NF-kappaB cascade	7.90E-06	79
	Rice				
Jejunum	straw	Negative	apoptosis of blood cells	8.00E-06	207
	Rice				
Jejunum	straw	Negative	catabolism of protein	8.07E-06	249
	Rice				
Jejunum	straw	Negative	cell movement of macrophages	8.07E-06	116
	Rice				
Jejunum	straw	Negative	quantity of granulocytes	8.35E-06	136
	Rice				
Jejunum	straw	Negative	cell death of tumor	8.35E-06	162
Jejunum	Rice	Negative	morphology of lymphoid organ	8.35E-06	166

	straw				
	Rice				
Jejunum	straw	Negative	function of endothelial cells	8.43E-06	27
	Rice				
Jejunum	straw	Negative	hepatocellular carcinoma	8.55E-06	1574
	Rice				
Jejunum	straw	Negative	adhesion of immune cells	8.58E-06	149
	Rice				
Jejunum	straw	Negative	morphogenesis of neurons	8.58E-06	179
	Rice				
Jejunum	straw	Negative	movement of vascular endothelial cells	8.67E-06	82
	Rice				
Jejunum	straw	Negative	allodynia	8.70E-06	29
	Rice				
Jejunum	straw	Negative	function of endothelial tissue	8.70E-06	29
	Rice				
Jejunum	straw	Negative	branching of cells	8.77E-06	157
	Rice				
Jejunum	straw	Negative	peripheral arterial disease	9.23E-06	94
	Rice				
Jejunum	straw	Negative	synthesis of fatty acid	9.40E-06	134
	Rice				
Jejunum	straw	Negative	mammary tumor	9.66E-06	640
	Rice				
Jejunum	straw	Negative	formation of lymphatic system component	9.83E-06	126
	Rice				
Jejunum	straw	Negative	quantity of steroid	9.90E-06	195
	Rice				
Jejunum	straw	Negative	necrosis of tumor	1.01E-05	161
	Rice				
Jejunum	straw	Negative	memory	1.01E-05	112
	Rice				
Jejunum	straw	Negative	differentiation of muscle	1.04E-05	130
	Rice				
Jejunum	straw	Negative	abnormal morphology of lymphoid organ	1.09E-05	160
	Rice				
Jejunum	straw	Negative	craniofacial abnormality	1.16E-05	151
	Rice				
Jejunum	straw	Negative	proliferation of tumor cells	1.18E-05	196
	Rice				
Jejunum	straw	Negative	recruitment of macrophages	1.19E-05	51
	Rice				
Jejunum	straw	Negative	engulfment of leukocytes	1.22E-05	73
Jejunum	Rice	Negative	neovascularization of organ	1.24E-05	53

	straw				
	Rice				
Jejunum	straw	Negative	immune response of cells	1.27E-05	236
	Rice				
Jejunum	straw	Negative	recruitment of antigen presenting cells	1.27E-05	57
	Rice				
Jejunum	straw	Negative	paraproteinemia	1.28E-05	143
	Rice				
Jejunum	straw	Negative	formation of lung	1.31E-05	129
	Rice				
Jejunum	straw	Negative	engulfment of blood cells	1.33E-05	77
	Rice				
Jejunum	straw	Negative	uptake of D-hexose	1.33E-05	98
	Rice				
Jejunum	straw	Negative	adhesion of blood cells	1.33E-05	159
	Rice				
Jejunum	straw	Negative	cell viability of cervical cancer cell lines	1.41E-05	97
	Rice				
Jejunum	straw	Negative	uptake of D-glucose	1.41E-05	97
	Rice				
Jejunum	straw	Negative	dilation of heart chamber	1.41E-05	31
	Rice				
Jejunum	straw	Negative	formation of filopodia	1.42E-05	75
	Rice				
Jejunum	straw	Negative	size of animal	1.46E-05	80
	Rice				
Jejunum	straw	Negative	apoptosis of neurons	1.48E-05	182
	Rice				
Jejunum	straw	Negative	morphology of lymph node	1.53E-05	73
	Rice				
Jejunum	straw	Negative	release of metal	1.57E-05	95
	Rice				
Jejunum	straw	Negative	length of plasma membrane projections	1.57E-05	42
	Rice				
Jejunum	straw	Negative	serine phosphorylation of peptide	1.57E-05	42
	Rice				
Jejunum	straw	Negative	transport of monosaccharide	1.58E-05	72
	Rice				
Jejunum	straw	Negative	transport of amino acids	1.59E-05	62
	Rice				
Jejunum	straw	Negative	quantity of protein in blood	1.60E-05	210
	Rice				
Jejunum	straw	Negative	peripheral vascular disease	1.62E-05	160
Jejunum	Rice	Negative	apoptosis of liver cells	1.62E-05	71

	straw				
	Rice				
Jejunum	straw	Negative	cell death of liver	1.62E-05	104
	Rice				
Jejunum	straw	Negative	abnormal morphology of bone	1.66E-05	182
	Rice				
Jejunum	straw	Negative	Thrombosis	1.71E-05	76
	Rice				
Jejunum	straw	Negative	inflammation of central nervous system	1.76E-05	129
	Rice				
Jejunum	straw	Negative	smooth muscle tumor	1.76E-05	129
	Rice				
Jejunum	straw	Negative	quantity of macrophages	1.76E-05	89
	Rice				
Jejunum	straw	Negative	plasma cell dyscrasia	1.80E-05	142
	Rice				
Jejunum	straw	Negative	cell death of sarcoma cell lines	1.81E-05	99
	Rice				
Jejunum	straw	Negative	adenocarcinoma	1.89E-05	2405
	Rice				
Jejunum	straw	Negative	experimentally-induced diabetes	1.92E-05	46
	Rice				
Jejunum	straw	Negative	differentiation of tumor cell lines	1.98E-05	159
	Rice				
Jejunum	straw	Negative	MAPKKK cascade	2.04E-05	90
	Rice				
Jejunum	straw	Negative	proliferation of T lymphocytes	2.06E-05	247
	Rice				
Jejunum	straw	Negative	hypertrophy of cardiac muscle	2.06E-05	71
	Rice				
Jejunum	straw	Negative	necrosis of liver	2.06E-05	103
	Rice				
Jejunum	straw	Negative	morphology of endothelial tissue	2.10E-05	41
	Rice				
Jejunum	straw	Negative	abnormal morphology of embryonic tissue	2.13E-05	225
	Rice				
Jejunum	straw	Negative	growth of lymphatic system component	2.15E-05	85
	Rice				
Jejunum	straw	Negative	angiogenesis of lesion	2.15E-05	59
	Rice				
Jejunum	straw	Negative	cell spreading of tumor cell lines	2.16E-05	51
	Rice				
Jejunum	straw	Negative	apoptosis of neuroblastoma cell lines	2.19E-05	57
Jejunum	Rice	Negative	cell movement of lymphocytes	2.19E-05	165

	straw				
	Rice				
Jejunum	straw	Negative	angiogenesis of tumor	2.19E-05	56
	Rice				
Jejunum	straw	Negative	epileptic seizure	2.19E-05	75
	Rice				
Jejunum	straw	Negative	remodeling of bone	2.24E-05	84
	Rice				
Jejunum	straw	Negative	apoptosis of fibroblasts	2.24E-05	95
	Rice				
Jejunum	straw	Negative	invasion of carcinoma cell lines	2.36E-05	87
	Rice				
Jejunum	straw	Negative	morphology of blood cells	2.38E-05	173
	Rice				
Jejunum	straw	Negative	cell death of brain	2.41E-05	124
	Rice				
Jejunum	straw	Negative	liver cancer	2.50E-05	1617
	Rice				
Jejunum	straw	Negative	blood protein disorder	2.57E-05	157
	Rice				
Jejunum	straw	Negative	mass of heart	2.65E-05	62
	Rice				
Jejunum	straw	Negative	contractility of myocardium	2.68E-05	32
	Rice				
Jejunum	straw	Negative	degranulation	2.75E-05	98
	Rice				
Jejunum	straw	Negative	cell death of B-lymphocyte derived cell lines	2.81E-05	59
	Rice				
Jejunum	straw	Negative	differentiation of embryonic tissue	2.84E-05	109
	Rice				
Jejunum	straw	Negative	resorption of bone	2.87E-05	74
	Rice				
Jejunum	straw	Negative	hepatobiliary system cancer	2.97E-05	1623
	Rice				
Jejunum	straw	Negative	abdominal adenocarcinoma	3.00E-05	2188
	Rice				
Jejunum	straw	Negative	contractility of heart	3.00E-05	78
	Rice				
Jejunum	straw	Negative	Encephalitis	3.09E-05	125
	Rice				
Jejunum	straw	Negative	differentiation of T lymphocytes	3.12E-05	158
	Rice				
Jejunum	straw	Negative	serous neoplasm	3.13E-05	248
Jejunum	Rice	Negative	liver tumor	3.15E-05	1626

	straw				
	Rice				
Jejunum	straw	Negative	muscle tumor	3.41E-05	151
	Rice				
Jejunum	straw	Negative	colon cancer	3.48E-05	1389
	Rice				
Jejunum	straw	Negative	degranulation of cells	3.51E-05	97
	Rice				
Jejunum	straw	Negative	formation of muscle cells	3.55E-05	79
	Rice				
Jejunum	straw	Negative	differentiation of osteoblasts	3.60E-05	118
	Rice				
Jejunum	straw	Negative	abnormal morphology of blood vessel	3.61E-05	113
	Rice				
Jejunum	straw	Negative	abnormal morphology of lymph node	3.62E-05	68
	Rice				
Jejunum	straw	Negative	proliferation of endothelial cells	3.76E-05	131
	Rice				
Jejunum	straw	Negative	permeability of cells	3.76E-05	47
	Rice				
Jejunum	straw	Negative	atherogenesis	3.80E-05	39
	Rice				
Jejunum	straw	Negative	hyperplasia of tissue	3.92E-05	85
	Rice				
Jejunum	straw	Negative	morphogenesis of neurites	3.92E-05	173
	Rice				
Jejunum	straw	Negative	leiomyomatosis	4.03E-05	121
	Rice				
Jejunum	straw	Negative	function of blood vessel	4.03E-05	29
	Rice				
Jejunum	straw	Negative	release of L-amino acid	4.03E-05	40
	Rice				
Jejunum	straw	Negative	apoptosis of leukocytes	4.03E-05	188
	Rice				
Jejunum	straw	Negative	quantity of cellular protrusions	4.04E-05	71
	Rice				
Jejunum	straw	Negative	polymerization of protein	4.08E-05	154
	Rice				
Jejunum	straw	Negative	engulfment of myeloid cells	4.11E-05	64
	Rice				
Jejunum	straw	Negative	endocytosis	4.15E-05	144
	Rice				
Jejunum	straw	Negative	release of Ca ²⁺	4.34E-05	90
Jejunum	Rice	Negative	cell movement of breast cancer cell lines	4.35E-05	122

	straw				
	Rice				
Jejunum	straw	Negative	replication of Influenza virus	4.35E-05	122
	Rice				
Jejunum	straw	Negative	degranulation of phagocytes	4.36E-05	69
	Rice				
Jejunum	straw	Negative	chemotaxis of neutrophils	4.41E-05	74
	Rice				
Jejunum	straw	Negative	differentiation of muscle cells	4.55E-05	119
	Rice				
Jejunum	straw	Negative	proliferation of prostate cancer cell lines	4.55E-05	128
	Rice				
Jejunum	straw	Negative	recruitment of neutrophils	4.79E-05	81
	Corn				
Jejunum	stover	Positive	proliferation of cells	3.57E-33	1344
	Corn				
Jejunum	stover	Positive	cancer	3.57E-33	3430
	Corn				
Jejunum	stover	Positive	malignant solid tumor	1.00E-30	3383
	Corn				
Jejunum	stover	Positive	cell death	3.08E-28	1208
	Corn				
Jejunum	stover	Positive	necrosis	7.59E-27	960
	Corn				
Jejunum	stover	Positive	organismal death	4.15E-25	895
	Corn				
Jejunum	stover	Positive	morbidity or mortality	4.48E-25	905
	Corn				
Jejunum	stover	Positive	apoptosis	3.51E-24	969
	Corn				
Jejunum	stover	Positive	morphology of cells	3.78E-24	745
	Corn				
Jejunum	stover	Positive	cell movement	8.24E-23	798
	Corn				
Jejunum	stover	Positive	organization of cytoplasm	5.11E-19	587
	Corn				
Jejunum	stover	Positive	migration of cells	1.05E-18	706
	Corn				
Jejunum	stover	Positive	cellular homeostasis	2.75E-18	580
	Corn				
Jejunum	stover	Positive	expression of RNA	1.38E-17	778
	Corn				
Jejunum	stover	Positive	epithelial cancer	7.48E-17	2760
Jejunum	Corn	Positive	quantity of cells	7.61E-17	653

	stover				
	Corn				
Jejunum	stover	Positive	transcription	9.30E-17	725
	Corn				
Jejunum	stover	Positive	neoplasia of epithelial tissue	1.36E-16	2782
	Corn				
Jejunum	stover	Positive	transcription of RNA	2.15E-16	679
	Corn				
Jejunum	stover	Positive	tumorigenesis of tissue	2.15E-16	2823
	Corn				
Jejunum	stover	Positive	cell death of tumor cell lines	2.17E-15	567
	Corn				
Jejunum	stover	Positive	organization of cytoskeleton	2.51E-15	524
	Corn				
Jejunum	stover	Positive	cell survival	2.81E-15	523
	Corn				
Jejunum	stover	Positive	cell death of connective tissue cells	3.46E-15	254
	Corn				
Jejunum	stover	Positive	differentiation of cells	6.47E-15	795
	Corn				
Jejunum	stover	Positive	angiogenesis	8.85E-15	359
	Corn				
Jejunum	stover	Positive	transport of molecule	9.87E-15	591
	Corn				
Jejunum	stover	Positive	morphology of cardiovascular system	1.26E-14	258
	Corn				
Jejunum	stover	Positive	size of body	2.30E-14	338
	Corn				
Jejunum	stover	Positive	vasculogenesis	1.04E-13	296
	Corn				
Jejunum	stover	Positive	Viral Infection	1.40E-13	585
	Corn				
Jejunum	stover	Positive	cell viability	2.41E-13	483
	Corn				
Jejunum	stover	Positive	abdominal neoplasm	2.79E-13	2737
	Corn				
Jejunum	stover	Positive	abnormal morphology of cells	2.99E-13	471
	Corn				
Jejunum	stover	Positive	microtubule dynamics	1.52E-12	441
	Corn				
Jejunum	stover	Positive	abnormal morphology of cardiovascular system	1.64E-12	232
	Corn				
Jejunum	stover	Positive	apoptosis of tumor cell lines	3.55E-12	448
Jejunum	Corn	Positive	cell movement of tumor cell lines	3.55E-12	329

	stover				
	Corn				
Jejunum	stover	Positive	abdominal cancer	3.64E-12	2698
	Corn				
Jejunum	stover	Positive	digestive organ tumor	3.97E-12	2374
	Corn				
Jejunum	stover	Positive	abnormal morphology of thoracic cavity	4.53E-12	237
	Corn				
Jejunum	stover	Positive	cell death of epithelial cells	4.98E-12	205
	Corn				
Jejunum	stover	Positive	transcription of DNA	5.94E-12	551
	Corn				
Jejunum	stover	Positive	digestive system cancer	6.70E-12	2351
	Corn				
Jejunum	stover	Positive	necrosis of epithelial tissue	6.70E-12	237
	Corn				
Jejunum	stover	Positive	quantity of blood cells	2.05E-11	384
	Corn				
Jejunum	stover	Positive	morphology of heart	2.23E-11	170
	Corn				
Jejunum	stover	Positive	concentration of lipid	2.93E-11	311
	Corn				
Jejunum	stover	Positive	organization of organelle	3.46E-11	217
	Corn				
Jejunum	stover	Positive	quantity of connective tissue	3.83E-11	239
	Corn				
Jejunum	stover	Positive	morphology of body cavity	3.83E-11	437
	Corn				
Jejunum	stover	Positive	abnormal morphology of body cavity	5.75E-11	419
	Corn				
Jejunum	stover	Positive	development of vasculature	6.79E-11	173
	Corn				
Jejunum	stover	Positive	protein kinase cascade	6.80E-11	174
	Corn				
Jejunum	stover	Positive	quantity of leukocytes	8.17E-11	344
	Corn				
Jejunum	stover	Positive	transactivation	8.42E-11	229
	Corn				
Jejunum	stover	Positive	Growth Failure	1.63E-10	235
	Corn				
Jejunum	stover	Positive	abnormal morphology of heart	1.72E-10	159
	Corn				
Jejunum	stover	Positive	colony formation of cells	5.00E-10	196
Jejunum	Corn	Positive	growth of organism	7.07E-10	313

	stover				
	Corn				
Jejunum	stover	Positive	metabolism of carbohydrate	7.89E-10	240
	Corn				
Jejunum	stover	Positive	proliferation of tumor cell lines	1.17E-09	541
	Corn				
Jejunum	stover	Positive	Organ Degeneration	1.24E-09	195
	Corn				
Jejunum	stover	Positive	colony formation	1.24E-09	210
	Corn				
Jejunum	stover	Positive	function of leukocytes	1.42E-09	210
	Corn				
Jejunum	stover	Positive	growth of embryo	1.43E-09	189
	Corn				
Jejunum	stover	Positive	proliferation of connective tissue cells	1.57E-09	229
	Corn				
Jejunum	stover	Positive	morphology of connective tissue	1.66E-09	183
	Corn				
Jejunum	stover	Positive	formation of cellular protrusions	1.70E-09	333
	Corn				
Jejunum	stover	Positive	cell death of fibroblast cell lines	1.87E-09	171
	Corn				
Jejunum	stover	Positive	differentiation of connective tissue cells	2.73E-09	245
	Corn				
Jejunum	stover	Positive	autosomal recessive disease	2.91E-09	338
	Corn				
Jejunum	stover	Positive	growth of connective tissue	3.47E-09	245
	Corn				
Jejunum	stover	Positive	interphase	3.52E-09	249
	Corn				
Jejunum	stover	Positive	migration of tumor cell lines	3.61E-09	266
	Corn				
Jejunum	stover	Positive	Movement Disorders	3.88E-09	382
	Corn				
Jejunum	stover	Positive	development of cytoplasm	3.93E-09	182
	Corn				
Jejunum	stover	Positive	function of blood cells	3.93E-09	225
	Corn				
Jejunum	stover	Positive	development of body trunk	4.73E-09	400
	Corn				
Jejunum	stover	Positive	cell death of epithelial cell lines	5.43E-09	118
	Corn				
Jejunum	stover	Positive	cell viability of tumor cell lines	6.11E-09	289
Jejunum	Corn	Positive	quantity of lymphocytes	1.07E-08	264

	stover				
	Corn				
Jejunum	stover	Positive	quantity of mononuclear leukocytes	1.28E-08	273
	Corn				
Jejunum	stover	Positive	cell death of cervical cancer cell lines	1.37E-08	141
	Corn				
Jejunum	stover	Positive	apoptosis of fibroblast cell lines	1.37E-08	133
	Corn				
Jejunum	stover	Positive	invasion of cells	1.58E-08	317
	Corn				
Jejunum	stover	Positive	differentiation of connective tissue	2.16E-08	270
	Corn				
Jejunum	stover	Positive	transactivation of RNA	2.33E-08	207
	Corn				
Jejunum	stover	Positive	ubiquitination of protein	3.40E-08	133
	Corn				
Jejunum	stover	Positive	function of cardiovascular system	4.00E-08	146
	Corn				
Jejunum	stover	Positive	phosphorylation of protein	5.23E-08	270
	Corn				
Jejunum	stover	Positive	ubiquitination	5.84E-08	134
	Corn				
Jejunum	stover	Positive	proliferation of blood cells	5.99E-08	305
	Corn				
Jejunum	stover	Positive	apoptosis of epithelial cell lines	5.99E-08	94
	Corn				
Jejunum	stover	Positive	activation of cells	6.37E-08	349
	Corn				
Jejunum	stover	Positive	growth of epithelial tissue	6.56E-08	251
	Corn				
Jejunum	stover	Positive	development of leukocytes	7.74E-08	220
	Corn				
Jejunum	stover	Positive	autosomal dominant disease	9.08E-08	236
	Corn				
Jejunum	stover	Positive	apoptosis of heart cells	9.86E-08	81
	Corn				
Jejunum	stover	Positive	development of connective tissue	1.00E-07	145
	Corn				
Jejunum	stover	Positive	concentration of fatty acid	1.01E-07	113
	Corn				
Jejunum	stover	Positive	quantity of T lymphocytes	1.18E-07	201
	Corn				
Jejunum	stover	Positive	abnormal morphology of reproductive system	1.25E-07	192
Jejunum	Corn	Positive	migration of blood cells	1.36E-07	313

	stover				
	Corn				
Jejunum	stover	Positive	development of blood cells	1.54E-07	240
	Corn				
Jejunum	stover	Positive	cell transformation	1.65E-07	175
	Corn				
Jejunum	stover	Positive	apoptosis of muscle	1.65E-07	106
	Corn				
Jejunum	stover	Positive	leukocyte migration	1.66E-07	312
	Corn				
Jejunum	stover	Positive	proliferation of fibroblast cell lines	1.90E-07	162
	Corn				
Jejunum	stover	Positive	synthesis of nitric oxide	1.93E-07	111
	Corn				
Jejunum	stover	Positive	cell cycle progression	1.94E-07	368
	Corn				
Jejunum	stover	Positive	homing	1.98E-07	213
	Corn				
Jejunum	stover	Positive	development of lymphocytes	2.08E-07	206
	Corn				
Jejunum	stover	Positive	quantity of carbohydrate	2.13E-07	194
	Corn				
Jejunum	stover	Positive	apoptosis of muscle cells	2.23E-07	105
	Corn				
Jejunum	stover	Positive	formation of cells	2.34E-07	347
	Corn				
Jejunum	stover	Positive	dyskinesia	2.34E-07	227
	Corn				
Jejunum	stover	Positive	development of mononuclear leukocytes	2.51E-07	207
	Corn				
Jejunum	stover	Positive	morphology of nervous system	2.58E-07	282
	Corn				
Jejunum	stover	Positive	activation of blood cells	2.61E-07	270
	Corn				
Jejunum	stover	Positive	proliferation of neuronal cells	2.67E-07	213
	Corn				
Jejunum	stover	Positive	synthesis of lipid	2.75E-07	259
	Corn				
Jejunum	stover	Positive	apoptosis of cardiomyocytes	2.76E-07	78
	Corn				
Jejunum	stover	Positive	perinatal death	2.81E-07	219
	Corn				
Jejunum	stover	Positive	abnormal morphology of abdomen	2.87E-07	312
Jejunum	Corn	Positive	function of muscle	2.98E-07	135

	stover				
	Corn				
Jejunum	stover	Positive	cell movement of leukocytes	3.03E-07	276
	Corn				
Jejunum	stover	Positive	behavior	3.23E-07	348
	Corn				
Jejunum	stover	Positive	proliferation of immune cells	3.32E-07	284
	Corn				
Jejunum	stover	Positive	activation of DNA endogenous promoter	3.32E-07	418
	Corn				
Jejunum	stover	Positive	transport of carbohydrate	3.44E-07	81
	Corn				
Jejunum	stover	Positive	morphology of blood vessel	3.62E-07	112
	Corn				
Jejunum	stover	Positive	homing of cells	3.80E-07	206
	Corn				
Jejunum	stover	Positive	cell death of immune cells	3.86E-07	240
	Corn				
Jejunum	stover	Positive	cell movement of myeloid cells	3.88E-07	200
	Corn				
Jejunum	stover	Positive	cell death of kidney cell lines	4.04E-07	119
	Corn				
Jejunum	stover	Positive	cell death of blood cells	4.05E-07	251
	Corn				
Jejunum	stover	Positive	congenital anomaly of musculoskeletal system	4.18E-07	265
	Corn				
Jejunum	stover	Positive	proliferation of embryonic cells	4.24E-07	100
	Corn				
Jejunum	stover	Positive	uptake of monosaccharide	4.40E-07	107
	Corn				
Jejunum	stover	Positive	morphology of reproductive system	4.45E-07	198
	Corn				
Jejunum	stover	Positive	morphology of vessel	4.71E-07	120
	Corn				
Jejunum	stover	Positive	degeneration of nervous system	5.00E-07	113
	Corn				
Jejunum	stover	Positive	abnormal morphology of head	5.18E-07	296
	Corn				
Jejunum	stover	Positive	activation of leukocytes	5.72E-07	252
	Corn				
Jejunum	stover	Positive	neuromuscular disease	5.87E-07	312
	Corn				
Jejunum	stover	Positive	neuronal cell death	6.26E-07	246
Jejunum	Corn	Positive	neurological signs	6.29E-07	236

	stover				
	Corn				
Jejunum	stover	Positive	growth of lesion	6.54E-07	284
	Corn				
Jejunum	stover	Positive	apoptosis of epithelial cells	6.79E-07	112
	Corn				
Jejunum	stover	Positive	chorea	6.85E-07	211
	Corn				
Jejunum	stover	Positive	metabolism of membrane lipid derivative	7.31E-07	147
	Corn				
Jejunum	stover	Positive	Neurodegeneration	7.46E-07	120
	Corn				
Jejunum	stover	Positive	morphology of head	7.58E-07	309
	Corn				
Jejunum	stover	Positive	fibrogenesis	7.58E-07	155
	Corn				
Jejunum	stover	Positive	Huntington's Disease	7.71E-07	210
	Corn				
Jejunum	stover	Positive	consumption of oxygen	7.83E-07	66
	Corn				
Jejunum	stover	Positive	concentration of phospholipid	8.09E-07	76
	Corn				
Jejunum	stover	Positive	morphology of skin	8.40E-07	107
	Corn				
Jejunum	stover	Positive	inflammatory response	8.83E-07	277
	Corn				
Jejunum	stover	Positive	accumulation of lipid	9.69E-07	116
	Corn				
Jejunum	stover	Positive	mass of connective tissue	9.95E-07	82
	Corn				
Jejunum	stover	Positive	uptake of carbohydrate	1.10E-06	113
	Corn				
Jejunum	stover	Positive	infection by Retroviridae	1.10E-06	257
	Corn				
Jejunum	stover	Positive	growth of tumor	1.16E-06	282
	Corn				
Jejunum	stover	Positive	metabolism of monosaccharide	1.17E-06	54
	Corn				
Jejunum	stover	Positive	chemotaxis	1.27E-06	199
	Corn				
Jejunum	stover	Positive	MAPKKK cascade	1.28E-06	83
	Corn				
Jejunum	stover	Positive	growth of muscle tissue	1.28E-06	141
Jejunum	Corn	Positive	cell movement of neutrophils	1.29E-06	115

	stover				
	Corn				
Jejunum	stover	Positive	proliferation of fibroblasts	1.34E-06	134
	Corn				
Jejunum	stover	Positive	synthesis of reactive oxygen species	1.35E-06	177
	Corn				
Jejunum	stover	Positive	differentiation of leukocytes	1.36E-06	241
	Corn				
Jejunum	stover	Positive	HIV infection	1.43E-06	254
	Corn				
Jejunum	stover	Positive	proliferation of muscle cells	1.46E-06	140
	Corn				
Jejunum	stover	Positive	development of lymphatic system	1.50E-06	135
	Corn				
Jejunum	stover	Positive	formation of filaments	1.50E-06	149
	Corn				
Jejunum	stover	Positive	disorder of lipid metabolism	1.58E-06	80
	Corn				
Jejunum	stover	Positive	cell death of heart cells	1.59E-06	88
	Corn				
Jejunum	stover	Positive	neuritogenesis	1.67E-06	211
	Corn				
Jejunum	stover	Positive	proliferation of mononuclear leukocytes	1.69E-06	262
	Corn				
Jejunum	stover	Positive	apoptosis of connective tissue cells	1.70E-06	114
	Corn				
Jejunum	stover	Positive	differentiation of bone	1.83E-06	153
	Corn				
Jejunum	stover	Positive	blood protein disorder	1.86E-06	141
	Corn				
Jejunum	stover	Positive	development of cardiovascular tissue	1.89E-06	139
	Corn				
Jejunum	stover	Positive	proliferation of lymphocytes	1.92E-06	258
	Corn				
Jejunum	stover	Positive	apoptosis of kidney cell lines	1.94E-06	94
	Corn				
Jejunum	stover	Positive	cell death of fibroblasts	2.02E-06	103
	Corn				
Jejunum	stover	Positive	metabolism of hexose	2.09E-06	48
	Corn				
Jejunum	stover	Positive	cell movement of granulocytes	2.14E-06	139
	Corn				
Jejunum	stover	Positive	cell death of lymphocytes	2.32E-06	144
Jejunum	Corn	Positive	differentiation of mononuclear leukocytes	2.50E-06	196

	stover				
	Corn				
Jejunum	stover	Positive	differentiation of bone cells	2.74E-06	151
	Corn				
Jejunum	stover	Positive	autophagy	2.79E-06	140
	Corn				
Jejunum	stover	Positive	infection of cells	2.79E-06	280
	Corn				
Jejunum	stover	Positive	development of endothelial tissue	2.87E-06	137
	Corn				
Jejunum	stover	Positive	formation of plasma membrane projections	3.06E-06	214
	Corn				
Jejunum	stover	Positive	infection by RNA virus	3.14E-06	302
	Corn				
Jejunum	stover	Positive	chemotaxis of cells	3.16E-06	191
	Corn				
Jejunum	stover	Positive	abnormal morphology of nervous system	3.19E-06	256
	Corn				
Jejunum	stover	Positive	apoptosis of cervical cancer cell lines	3.51E-06	108
	Corn				
Jejunum	stover	Positive	fatty acid metabolism	3.59E-06	215
	Corn				
Jejunum	stover	Positive	formation of cytoskeleton	3.59E-06	140
	Corn				
Jejunum	stover	Positive	cell death of mononuclear leukocytes	3.69E-06	147
	Corn				
Jejunum	stover	Positive	proliferation of T lymphocytes	3.83E-06	216
	Corn				
Jejunum	stover	Positive	development of epithelial tissue	3.88E-06	187
	Corn				
Jejunum	stover	Positive	disorder of basal ganglia	4.06E-06	269
	Corn				
Jejunum	stover	Positive	mass of adipose tissue	4.11E-06	76
	Corn				
Jejunum	stover	Positive	abnormal morphology of epithelial tissue	4.13E-06	154
	Corn				
Jejunum	stover	Positive	synthesis of fatty acid	4.13E-06	118
	Corn				
Jejunum	stover	Positive	development of lymphatic system component	4.13E-06	117
	Corn				
Jejunum	stover	Positive	endothelial cell development	4.41E-06	132
	Corn				
Jejunum	stover	Positive	abnormal morphology of embryonic tissue	4.42E-06	197
Jejunum	Corn	Positive	quantity of hematopoietic cells	4.44E-06	162

	stover				
	Corn				
Jejunum	stover	Positive	morphogenesis of neurons	4.44E-06	156
	Corn				
Jejunum	stover	Positive	Lymphocyte homeostasis	4.50E-06	196
	Corn				
Jejunum	stover	Positive	cell death of heart	4.70E-06	89
	Corn				
Jejunum	stover	Positive	production of reactive oxygen species	4.74E-06	136
	Corn				
Jejunum	stover	Positive	homeostasis of leukocytes	5.07E-06	199
	Corn				
Jejunum	stover	Positive	cell movement of phagocytes	5.39E-06	197
	Corn				
Jejunum	stover	Positive	quantity of hematopoietic progenitor cells	5.73E-06	161
	Corn				
Jejunum	stover	Positive	cell death of cardiomyocytes	5.76E-06	84
	Corn				
Jejunum	stover	Positive	cell death of kidney cells	5.79E-06	130
	Corn				
Jejunum	stover	Positive	cell death of embryonic cell lines	6.18E-06	93
	Corn				
Jejunum	stover	Positive	ion homeostasis of cells	6.20E-06	199
	Corn				
Jejunum	stover	Positive	necrosis of kidney	6.21E-06	135
	Corn				
Jejunum	stover	Positive	secretory pathway	6.57E-06	78
	Corn				
Jejunum	stover	Positive	mass of fat pad	6.58E-06	48
	Corn				
Jejunum	stover	Positive	degeneration of cells	6.70E-06	128
	Corn				
Jejunum	stover	Positive	cell death of muscle cells	6.85E-06	125
	Corn				
Jejunum	stover	Positive	morphology of muscle	6.85E-06	125
	Corn				
Jejunum	stover	Positive	metabolism of reactive oxygen species	6.87E-06	180
	Corn				
Jejunum	stover	Positive	G1 phase	7.02E-06	143
	Corn				
Jejunum	stover	Positive	cell viability of cervical cancer cell lines	7.20E-06	86
	Corn				
Jejunum	stover	Positive	morphology of lymphatic system component	7.56E-06	152
Jejunum	Corn	Positive	endocytosis	7.56E-06	128

	stover				
	Corn				
Jejunum	stover	Positive	paraproteinemia	7.77E-06	125
	Corn				
Jejunum	stover	Positive	serous neoplasm	7.83E-06	216
	Corn				
Jejunum	stover	Positive	abnormal morphology of blood vessel	7.93E-06	101
	Corn				
Jejunum	stover	Positive	synthesis of DNA	8.49E-06	152
	Corn				
Jejunum	stover	Positive	apoptosis of blood cells	8.92E-06	178
	Corn				
Jejunum	stover	Positive	mass of organism	8.95E-06	124
	Corn				
Jejunum	stover	Positive	small GTPase mediated signal transduction	9.02E-06	73
	Corn				
Jejunum	stover	Positive	cellular infiltration by leukocytes	9.02E-06	142
	Corn				
Jejunum	stover	Positive	survival of organism	9.27E-06	246
	Corn				
Jejunum	stover	Positive	size of animal	9.88E-06	71
	Corn				
Jejunum	stover	Positive	apoptosis of leukocytes	9.92E-06	165
	Corn				
Jejunum	stover	Positive	female genital tract serous cancer	1.04E-05	141
	Corn				
Jejunum	stover	Positive	quantity of adipose tissue	1.10E-05	105
	Corn				
Jejunum	stover	Positive	cell death of muscle	1.13E-05	127
	Corn				
Jejunum	stover	Positive	plasma cell dyscrasia	1.17E-05	124
	Corn				
Jejunum	stover	Positive	infection by HIV-1	1.17E-05	215
	Corn				
Jejunum	stover	Positive	transport of monosaccharide	1.17E-05	64
	Corn				
Jejunum	stover	Positive	differentiation of lymphocytes	1.20E-05	178
	Corn				
Jejunum	stover	Positive	invasion of tumor cell lines	1.20E-05	233
	Corn				
Jejunum	stover	Positive	function of phagocytes	1.24E-05	114
	Corn				
Jejunum	stover	Positive	T cell homeostasis	1.24E-05	184
Jejunum	Corn	Positive	proliferation of smooth muscle cells	1.26E-05	107

	stover				
	Corn				
Jejunum	stover	Positive	growth of neurites	1.33E-05	166
	Corn				
Jejunum	stover	Positive	proliferation of epithelial cells	1.41E-05	176
	Corn				
Jejunum	stover	Positive	necrosis of muscle	1.47E-05	126
	Corn				
Jejunum	stover	Positive	T cell development	1.61E-05	179
	Corn				
Jejunum	stover	Positive	accumulation of cells	1.61E-05	129
	Corn				
Jejunum	stover	Positive	growth of plasma membrane projections	1.62E-05	167
	Corn				
Jejunum	stover	Positive	morphology of genital organ	1.64E-05	153
	Corn				
Jejunum	stover	Positive	apoptosis of lymphocytes	1.64E-05	127
	Corn				
Jejunum	stover	Positive	growth of embryonic tissue	1.69E-05	103
	Corn				
Jejunum	stover	Positive	morphogenesis of neurites	1.70E-05	151
	Corn				
Jejunum	stover	Positive	proliferation of hematopoietic cells	1.92E-05	96
	Corn				
Jejunum	stover	Positive	sprouting	1.92E-05	140
	Corn				
Jejunum	stover	Positive	plasticity of synapse	1.93E-05	50
	Corn				
Jejunum	stover	Positive	arrest in interphase	1.96E-05	150
	Corn				
Jejunum	stover	Positive	function of heart	2.05E-05	88
	Corn				
Jejunum	stover	Positive	differentiation of blood cells	2.05E-05	289
	Corn				
Jejunum	stover	Positive	abnormal morphology of skin	2.16E-05	92
	Corn				
Jejunum	stover	Positive	formation of lymphoid organ	2.27E-05	99
	Corn				
Jejunum	stover	Positive	development of neurons	2.29E-05	269
	Corn				
Jejunum	stover	Positive	abnormal morphology of genital organ	2.35E-05	147
	Corn				
Jejunum	stover	Positive	activation of neuroglia	2.37E-05	54
Jejunum	Corn	Positive	apoptosis of hepatocytes	2.37E-05	54

	stover				
	Corn				
Jejunum	stover	Positive	cardiogenesis	2.38E-05	168
	Corn				
Jejunum	stover	Positive	function of myeloid cells	2.46E-05	90
	Corn				
Jejunum	stover	Positive	cellular infiltration of cells	2.54E-05	143
	Corn				
Jejunum	stover	Positive	attachment of cells	2.61E-05	55
	Corn				
Jejunum	stover	Positive	polymerization of protein	2.71E-05	134
	Corn				
Jejunum	stover	Positive	bone mineral density	2.72E-05	68
	Corn				
Jejunum	stover	Positive	Waldenstrom's macroglobulinemia	2.78E-05	73
	Corn				
Jejunum	stover	Positive	quantity of thymus gland	2.81E-05	88
	Corn				
Jejunum	stover	Positive	aggregation of blood platelets	2.88E-05	74
	Corn				
Jejunum	stover	Positive	synthesis of carbohydrate	2.88E-05	152
	Corn				
Jejunum	stover	Positive	atrophy of muscle	2.89E-05	59
	Corn				
Jejunum	stover	Positive	hereditary motor and sensory neuropathy	2.95E-05	39
	Corn				
Jejunum	stover	Positive	abnormal morphology of digestive system	3.24E-05	191
	Corn				
Jejunum	stover	Positive	cellular infiltration	3.24E-05	156
	Corn				
Jejunum	stover	Positive	quantity of thymocytes	3.24E-05	87
	Corn				
Jejunum	stover	Positive	formation of thymus gland	3.25E-05	64
	Corn				
Jejunum	stover	Positive	morphology of heart ventricle	3.44E-05	74
	Corn				
Jejunum	stover	Positive	G1/S phase transition	3.45E-05	81
	Corn				
Jejunum	stover	Positive	cell death of T lymphocytes	3.59E-05	115
	Corn				
Jejunum	stover	Positive	apoptosis of mononuclear leukocytes	3.75E-05	129
	Corn				
Jejunum	stover	Positive	exocytosis	4.01E-05	73
Jejunum	Corn	Positive	autophagy of cells	4.02E-05	98

	stover				
	Corn				
Jejunum	stover	Positive	apoptosis of neuroblastoma cell lines	4.02E-05	50
	Corn				
Jejunum	stover	Positive	degeneration of central nervous system	4.32E-05	53
	Corn				
Jejunum	stover	Positive	organization of actin cytoskeleton	4.34E-05	110
	Corn				
Jejunum	stover	Positive	genital tumor	4.51E-05	1264
	Corn				
Jejunum	stover	Positive	dysmyelination	4.73E-05	54
	Corn				
Jejunum	stover	Positive	transport of D-glucose	4.81E-05	57
	Corn				
Jejunum	stover	Positive	quantity of protein in blood	4.84E-05	178
	Corn				
Jejunum	stover	Positive	quantity of lymphoid organ	4.84E-05	112
	Corn				
Jejunum	stover	Positive	abnormal morphology of internal genitalia	5.05E-05	126
	Corn				
Jejunum	stover	Positive	morphology of bone	5.07E-05	159
	Corn				
Jejunum	stover	Positive	hereditary polyneuropathy	5.10E-05	42
	Corn				
Jejunum	stover	Positive	benign neoplasia	5.22E-05	312
	Corn				
Jejunum	stover	Positive	vascularization	5.22E-05	88
	Corn				
Jejunum	stover	Positive	quantity of lymphatic system component	5.29E-05	135
	Corn				
Jejunum	stover	Positive	abnormal morphology of membrane tissue	5.29E-05	66
	Corn				
Jejunum	stover	Positive	cellular degradation	5.31E-05	94
	Corn				
Jejunum	stover	Positive	proliferation of endothelial cells	5.37E-05	113
	Corn				
Jejunum	stover	Positive	hypersensitive reaction	5.43E-05	152
	Corn				
Jejunum	stover	Positive	I-kappaB kinase/NF-kappaB cascade	5.48E-05	67
	Corn				
Jejunum	stover	Positive	polyneuropathy	5.97E-05	45
	Corn				
Jejunum	stover	Positive	proliferation of lymphatic system cells	6.07E-05	76
Jejunum	Corn	Positive	proliferation of hematopoietic progenitor cells	6.10E-05	90

	stover				
	Corn				
Jejunum	stover	Positive	targeting of protein	6.10E-05	52
	Corn				
Jejunum	stover	Positive	S phase	6.10E-05	96
	Corn				
Jejunum	stover	Positive	abnormal morphology of bone	6.32E-05	154
	Corn				
Jejunum	stover	Positive	metabolism of D-hexose	6.32E-05	40
	Corn				
Jejunum	stover	Positive	morphology of digestive system	6.32E-05	198
	Corn				
Jejunum	stover	Positive	formation of muscle	6.36E-05	141
	Corn				
Jejunum	stover	Positive	function of blood vessel	6.74E-05	26
	Corn				
Jejunum	stover	Positive	accumulation of blood cells	6.79E-05	102
	Corn				
Jejunum	stover	Positive	cell death of liver cells	6.79E-05	74
	Corn				
Jejunum	stover	Positive	size of bone	6.81E-05	101
	Corn				
Jejunum	stover	Positive	cell death of hepatocytes	6.95E-05	60
	Corn				
Jejunum	stover	Positive	long-term potentiation	6.96E-05	90
	Corn				
Jejunum	stover	Positive	recruitment of phagocytes	6.96E-05	91
	Corn				
Jejunum	stover	Positive	function of smooth muscle	6.96E-05	39
	Corn				
Jejunum	stover	Positive	lysosomal storage disease	6.96E-05	39
	Corn				
Jejunum	stover	Positive	adhesion of immune cells	7.08E-05	125
	Corn				
Jejunum	stover	Positive	abnormal morphology of gonad	7.18E-05	130
	Corn				
Jejunum	stover	Positive	formation of lymphatic system component	7.38E-05	106
	Corn				
Jejunum	stover	Positive	abnormal morphology of muscle	7.57E-05	114
	Corn				
Jejunum	stover	Positive	quantity of interleukin	7.57E-05	55
	Corn				
Jejunum	stover	Positive	concentration of acylglycerol	7.73E-05	120
Jejunum	Corn	Positive	metabolism of D-glucose	7.73E-05	38

	stover				
	Corn				
Jejunum	stover	Positive	mitosis	7.90E-05	173
	Corn				
Jejunum	stover	Positive	apoptosis of embryonic cell lines	8.28E-05	69
	Corn				
Jejunum	stover	Positive	size of embryo	8.59E-05	127
	Corn				
Jejunum	stover	Positive	hydrolysis of lipid	8.77E-05	71
	Corn				
Jejunum	stover	Positive	differentiation of muscle	9.23E-05	109
	Corn				
Jejunum	stover	Positive	morphology of gonad	9.23E-05	134
	Corn				
Jejunum	stover	Positive	cell death of liver	9.23E-05	88
	Corn				
Jejunum	stover	Positive	neonatal death	9.30E-05	154
	Corn				
Jejunum	stover	Positive	activation of lymphocytes	9.30E-05	161
	Corn				
Jejunum	stover	Positive	familial dementia	9.35E-05	22
	Corn				
Jejunum	stover	Positive	peripheral neuropathy	9.63E-05	59
	Corn				
Jejunum	stover	Positive	morphology of central nervous system	9.79E-05	178
	Corn				
Jejunum	stover	Positive	branching of cells	9.79E-05	131
	Corn				
Jejunum	stover	Positive	differentiation of muscle cells	9.90E-05	102
	Corn				
Jejunum	stover	Positive	demyelination	1.03E-04	48
	Corn				
Jejunum	stover	Positive	hepatic steatosis	1.03E-04	97
	Corn				
Jejunum	stover	Positive	quantity of B lymphocytes	1.03E-04	123
	Corn				
Jejunum	stover	Positive	morphology of blood cells	1.03E-04	146
	Corn				
Jejunum	stover	Positive	morphology of skull	1.03E-04	83
	Corn				
Jejunum	stover	Positive	transformation of fibroblast cell lines	1.04E-04	94
	Corn				
Jejunum	stover	Positive	apoptosis of liver	1.05E-04	61
Jejunum	Corn	Positive	formation of vascular lesion	1.05E-04	46

	stover				
	Corn				
Jejunum	stover	Positive	quantity of IgM	1.05E-04	54
	Corn				
Jejunum	stover	Positive	differentiation of muscle cell lines	1.09E-04	62
	Corn				
Jejunum	stover	Positive	activation of mononuclear leukocytes	1.09E-04	168
	Corn				
Jejunum	stover	Positive	function of vascular smooth muscle	1.09E-04	16
	Corn				
Jejunum	stover	Positive	engulfment of cells	1.10E-04	143
	Corn				
Jejunum	stover	Positive	morphology of lymphoid organ	1.13E-04	138
	Corn				
Jejunum	stover	Positive	cell movement of fibroblasts	1.14E-04	69
	Corn				
Jejunum	stover	Positive	accumulation of leukocytes	1.16E-04	97
	Corn				
Jejunum	stover	Positive	abnormal morphology of skull	1.17E-04	81
	Corn				
Jejunum	stover	Positive	metabolism of protein	1.18E-04	324
	Corn				
Jejunum	stover	Positive	binding of DNA	1.18E-04	180
	Corn				
Jejunum	stover	Positive	necrosis of liver	1.19E-04	87
	Corn				
Jejunum	stover	Positive	export of molecule	1.19E-04	106
	Corn				
Jejunum	stover	Positive	dyslipidemia	1.19E-04	43
	Corn				
Jejunum	stover	Positive	concentration of phosphatidic acid	1.19E-04	53
	Corn				
Jejunum	stover	Positive	growth of lymphatic system component	1.20E-04	72
	Corn				
Jejunum	stover	Positive	outgrowth of neurons	1.20E-04	143
	Corn				
Jejunum	stover	Positive	death of embryo	1.31E-04	58
	Corn				
Jejunum	stover	Positive	transport of protein	1.31E-04	108
	Corn				
Jejunum	stover	Positive	migration of connective tissue cells	1.31E-04	68
	Corn				
Jejunum	stover	Positive	arrest in proliferation of cells	1.33E-04	79
Jejunum	Corn	Positive	internalization of cells	1.34E-04	63

	stover				
	Corn				
Jejunum	stover	Positive	uptake of D-hexose	1.35E-04	82
	Corn				
Jejunum	stover	Positive	seizure disorder	1.36E-04	163
	Corn				
Jejunum	stover	Positive	abnormal morphology of left ventricle	1.37E-04	35
	Corn				
Jejunum	stover	Positive	abnormal morphology of lymphoid organ	1.39E-04	133
	Corn				
Jejunum	stover	Positive	transmigration of cells	1.43E-04	60
	Corn				
Jejunum	stover	Positive	abnormal morphology of heart ventricle	1.47E-04	66
	Corn				
Jejunum	stover	Positive	expansion of cells	1.47E-04	108
	Corn				
Jejunum	stover	Positive	neurodegeneration of central nervous system	1.48E-04	45
	Corn				
Jejunum	stover	Positive	abnormal morphology of hepatobiliary system	1.50E-04	76
	Corn				
Jejunum	stover	Positive	biosynthesis of nucleoside triphosphate	1.51E-04	43
	Corn				
Jejunum	stover	Positive	quantity of cytokine	1.54E-04	92
	Corn				
Jejunum	stover	Positive	apoptosis of fibroblasts	1.54E-04	80
	Corn				
Jejunum	stover	Positive	uptake of D-glucose	1.55E-04	81
	Corn				
Jejunum	stover	Positive	activation of enzyme	1.59E-04	136
	Corn				
Jejunum	stover	Positive	morphology of left ventricle	1.63E-04	36
	Corn				
Jejunum	stover	Positive	migration of fibroblasts	1.64E-04	55
	Corn				
Jejunum	stover	Positive	degeneration of brain	1.68E-04	49
	Corn				
Jejunum	stover	Positive	abnormal morphology of pericardium	1.70E-04	38
	Corn				
Jejunum	stover	Positive	cleavage of lipid	1.70E-04	74
	Corn				
Jejunum	stover	Positive	outgrowth of neurites	1.71E-04	141
	Corn				
Jejunum	stover	Positive	skin abnormality	1.81E-04	83
Jejunum	Corn	Positive	metabolism of DNA	1.81E-04	139

	stover				
	Corn				
Jejunum	stover	Positive	demyelinating peripheral neuropathy	1.84E-04	28
	Corn				
Jejunum	stover	Positive	formation of eye	1.87E-04	152
	Corn				
Jejunum	stover	Positive	adenoma	1.88E-04	189
	Corn				
Jejunum	stover	Positive	abnormal morphology of liver	1.92E-04	71
	Corn				
Jejunum	stover	Positive	concentration of ATP	1.92E-04	48
	Corn				
Jejunum	stover	Positive	migration of carcinoma cell lines	1.94E-04	64
	Corn				
Jejunum	stover	Positive	cognition	1.94E-04	157
	Corn				
Jejunum	stover	Positive	biosynthesis of purine ribonucleotide	1.94E-04	41
	Corn				
Jejunum	stover	Positive	chemotaxis of myeloid cells	1.97E-04	104
	Corn				
Jejunum	stover	Positive	seizures	1.99E-04	139
	Corn				
Jejunum	stover	Positive	branching of neurons	2.03E-04	102
	Corn				
Jejunum	stover	Positive	hydrolysis of phosphoinositide	2.04E-04	26
	Corn				
Jejunum	stover	Positive	learning	2.05E-04	145
	Corn				
Jejunum	stover	Positive	uterine serous papillary cancer	2.06E-04	84
	Corn				
Jejunum	stover	Positive	neurodegeneration of brain	2.10E-04	44
	Corn				
Jejunum	stover	Positive	cell movement of endothelial cells	2.10E-04	124
	Corn				
Jejunum	stover	Positive	Hypertrophy	2.12E-04	163
	Corn				
Jejunum	stover	Positive	Bleeding	2.13E-04	147
	Corn				
Jejunum	stover	Positive	activation of antigen presenting cells	2.16E-04	112
	Corn				
Jejunum	stover	Positive	permeability of cells	2.19E-04	40
	Corn				
Jejunum	stover	Positive	secretion of molecule	2.27E-04	188
Jejunum	Corn	Positive	cell death of tumor	2.32E-04	133

	stover				
	Corn				
Jejunum	stover	Positive	apoptosis of liver cells	2.34E-04	59
	Corn				
Jejunum	stover	Positive	Cytosis	2.39E-04	113
	Corn				
Jejunum	stover	Positive	replication of virus	2.42E-04	191
	Corn				
Jejunum	stover	Positive	growth of liver	2.59E-04	70
	Corn				
Jejunum	stover	Positive	concentration of sterol	2.65E-04	108
	Corn				
Jejunum	stover	Positive	replication of RNA virus	2.66E-04	173
	Corn				
Jejunum	stover	Positive	hepatocellular carcinoma	2.69E-04	1296
	Corn				
Jejunum	stover	Positive	degeneration of neurons	2.71E-04	86
	Corn				
Jejunum	stover	Positive	recruitment of macrophages	2.76E-04	42
	Corn				
Jejunum	stover	Positive	morphology of epidermis	2.77E-04	54
	Corn				
Jejunum	stover	Positive	cell viability of connective tissue cells	2.88E-04	51
	Corn				
Jejunum	stover	Positive	glycolysis	2.88E-04	51
	Corn				
Jejunum	stover	Positive	abnormal morphology of testis	2.93E-04	93
	Corn				
Jejunum	stover	Positive	necrosis of tumor	2.93E-04	132
	Corn				
Jejunum	stover	Positive	function of lymphocytes	2.94E-04	119
	Corn				
Jejunum	stover	Positive	proliferation of tumor cells	2.97E-04	161
	Corn				
Jejunum	stover	Positive	atherogenesis	2.97E-04	33
	Corn				
Jejunum	stover	Positive	development of hematopoietic system	3.03E-04	89
	Corn				
Jejunum	stover	Positive	differentiation of osteoclasts	3.04E-04	71
	Corn				
Jejunum	stover	Positive	quantity of antigen presenting cells	3.10E-04	98
	Corn				
Jejunum	stover	Positive	concentration of Ca ²⁺	3.10E-04	49
Jejunum	Corn	Positive	quantity of connective tissue cells	3.10E-04	85

	stover				
	Corn				
Jejunum	stover	Positive	abnormal morphology of lymph node	3.10E-04	57
	Corn				
Jejunum	stover	Positive	metabolism of glycolipid	3.10E-04	57
	Corn				
Jejunum	stover	Positive	chemotaxis of phagocytes	3.15E-04	104
	Corn				
Jejunum	stover	Positive	metabolism of nucleoside triphosphate	3.15E-04	53
	Corn				
Jejunum	stover	Positive	production of protein	3.18E-04	115
	Corn				
Jejunum	stover	Positive	quantity of phagocytes	3.19E-04	146
	Corn				
Jejunum	stover	Positive	shape change of neurons	3.19E-04	103
	Corn				
Jejunum	stover	Positive	quantity of double-positive thymocyte	3.26E-04	44
	Corn				
Jejunum	stover	Positive	thickness of connective tissue	3.28E-04	23
	Corn				
Jejunum	stover	Positive	formation of actin filaments	3.34E-04	107
	Corn				
Jejunum	stover	Positive	morphology of lymph node	3.40E-04	60
	Corn				
Jejunum	stover	Positive	apoptosis of T lymphocytes	3.40E-04	99
	Corn				
Jejunum	stover	Positive	proliferation of liver cells	3.42E-04	69
	Corn				
Jejunum	stover	Positive	branching of neurites	3.45E-04	98
	Corn				
Jejunum	stover	Positive	Dermatitis	3.50E-04	149
	Corn				
Jejunum	stover	Positive	length of cells	3.51E-04	40
	Corn				
Jejunum	stover	Positive	adenocarcinoma	3.52E-04	1984
	Corn				
Jejunum	stover	Positive	abnormal morphology of skeleton	3.54E-04	96
	Corn				
Jejunum	stover	Positive	cell movement of connective tissue cells	3.56E-04	80
	Corn				
Jejunum	stover	Positive	weight gain	3.56E-04	109
	Corn				
Jejunum	stover	Positive	proliferation of myeloid cells	3.79E-04	46
Jejunum	Corn	Positive	cell death of breast cancer cell lines	3.84E-04	116

	stover				
	Corn				
Jejunum	stover	Positive	function of cardiac muscle	3.91E-04	67
	Corn				
Jejunum	stover	Positive	formation of leukocytes	3.92E-04	59
	Corn				
Jejunum	stover	Positive	breast or colorectal cancer	3.93E-04	1527
	Corn				
Jejunum	stover	Positive	quantity of polyunsaturated fatty acids	4.06E-04	47
	Corn				
Jejunum	stover	Positive	female genital neoplasm	4.07E-04	1104
	Corn				
Jejunum	stover	Positive	adhesion of blood cells	4.09E-04	130
	Corn				
Jejunum	stover	Positive	hereditary neuropathy	4.11E-04	61
	Corn				
Jejunum	stover	Positive	phosphorylation of L-amino acid	4.11E-04	79
	Corn				
Jejunum	stover	Positive	dyspnea	4.15E-04	51
	Corn				
Jejunum	stover	Positive	development of digestive system	4.27E-04	132
	Corn				
Jejunum	stover	Positive	metabolism of glycosphingolipid	4.30E-04	48
	Corn				
Jejunum	stover	Positive	entrance of Ca ²⁺	4.30E-04	32
	Corn				
Jejunum	stover	Positive	quantity of embryonic cells	4.30E-04	32
	Corn				
Jejunum	stover	Positive	length of long bones	4.31E-04	25
	Corn				
Jejunum	stover	Positive	metabolism of sphingolipid	4.32E-04	52
	Corn				
Jejunum	stover	Positive	stress response of cells	4.32E-04	52
	Corn				
Jejunum	stover	Positive	accumulation of sterol	4.33E-04	29
	Corn				
Jejunum	stover	Positive	cell viability of cerebral cortex cells	4.33E-04	29
	Corn				
Jejunum	stover	Positive	infection of embryonic cell lines	4.38E-04	97
	Corn				
Jejunum	stover	Positive	infection of epithelial cell lines	4.38E-04	97
	Corn				
Jejunum	stover	Positive	function of antigen presenting cells	4.41E-04	87
Jejunum	Corn	Positive	development of abdomen	4.54E-04	195

	stover				
	Corn				
Jejunum	stover	Negative	morbidity or mortality	6.17E-16	514
	Corn				
Jejunum	stover	Negative	organismal death	6.17E-16	507
	Corn				
Jejunum	stover	Negative	cell death	2.90E-15	665
	Corn				
Jejunum	stover	Negative	malignant solid tumor	3.30E-15	1827
	Corn				
Jejunum	stover	Negative	cancer	4.90E-14	1841
	Corn				
Jejunum	stover	Negative	apoptosis	1.32E-13	537
	Corn				
Jejunum	stover	Negative	differentiation of cells	6.05E-12	461
	Corn				
Jejunum	stover	Negative	proliferation of cells	6.65E-12	704
	Corn				
Jejunum	stover	Negative	necrosis	1.18E-11	514
	Corn				
Jejunum	stover	Negative	organization of cytoplasm	1.63E-11	331
	Corn				
Jejunum	stover	Negative	organization of cytoskeleton	2.27E-10	301
	Corn				
Jejunum	stover	Negative	morphology of cells	4.66E-10	397
	Corn				
Jejunum	stover	Negative	cell movement	5.92E-10	428
	Corn				
Jejunum	stover	Negative	transcription	3.27E-09	401
	Corn				
Jejunum	stover	Negative	transport of molecule	4.78E-09	333
	Corn				
Jejunum	stover	Negative	quantity of cells	8.82E-09	359
	Corn				
Jejunum	stover	Negative	expression of RNA	1.03E-08	424
	Corn				
Jejunum	stover	Negative	microtubule dynamics	1.31E-08	254
	Corn				
Jejunum	stover	Negative	vasculogenesis	1.74E-08	170
	Corn				
Jejunum	stover	Negative	transcription of RNA	2.14E-08	372
	Corn				
Jejunum	stover	Negative	migration of cells	6.73E-08	377
Jejunum	Corn	Negative	seizure disorder	3.14E-07	113

	stover				
	Corn				
Jejunum	stover	Negative	proliferation of connective tissue cells	3.69E-07	137
	Corn				
Jejunum	stover	Negative	angiogenesis	4.85E-07	196
	Corn				
Jejunum	stover	Negative	growth of connective tissue	6.15E-07	146
	Corn				
Jejunum	stover	Negative	tumorigenesis of tissue	7.19E-07	1516
	Corn				
Jejunum	stover	Negative	phosphorylation of protein	7.21E-07	163
	Corn				
Jejunum	stover	Negative	formation of cellular protrusions	7.97E-07	194
	Corn				
Jejunum	stover	Negative	organization of organelle	7.99E-07	125
	Corn				
Jejunum	stover	Negative	organization of actin cytoskeleton	8.46E-07	77
	Corn				
Jejunum	stover	Negative	growth of organism	1.04E-06	181
	Corn				
Jejunum	stover	Negative	Viral Infection	1.10E-06	319
	Corn				
Jejunum	stover	Negative	abdominal neoplasm	1.19E-06	1480
	Corn				
Jejunum	stover	Negative	transcription of DNA	1.36E-06	305
	Corn				
Jejunum	stover	Negative	seizures	1.58E-06	96
	Corn				
Jejunum	stover	Negative	cellular homeostasis	1.62E-06	302
	Corn				
Jejunum	stover	Negative	neoplasia of epithelial tissue	1.62E-06	1489
	Corn				
Jejunum	stover	Negative	cell death of tumor cell lines	2.08E-06	302
	Corn				
Jejunum	stover	Negative	epithelial cancer	3.48E-06	1473
	Corn				
Jejunum	stover	Negative	quantity of blood cells	5.73E-06	212
	Corn				
Jejunum	stover	Negative	growth of embryo	7.12E-06	109
	Corn				
Jejunum	stover	Negative	cell death of connective tissue cells	7.84E-06	133
	Corn				
Jejunum	stover	Negative	morphology of cardiovascular system	8.63E-06	136
Jejunum	Corn	Negative	proteinuria	1.10E-05	45

	stover				
	Corn				
Jejunum	stover	Negative	quantity of leukocytes	1.28E-05	190
	Corn				
Jejunum	stover	Negative	fibrogenesis	1.40E-05	95
	Corn				
Jejunum	stover	Negative	formation of filaments	1.72E-05	92
	Corn				
Jejunum	stover	Negative	synthesis of lipid	2.05E-05	152
	Corn				
Jejunum	stover	Negative	organization of filaments	2.53E-05	53
	Corn				
Jejunum	stover	Negative	invasion of cells	2.53E-05	180
	Corn				
Jejunum	stover	Negative	abdominal cancer	2.72E-05	1451
	Corn				
Jejunum	stover	Negative	development of epithelial tissue	3.01E-05	114
	Corn				
Jejunum	stover	Negative	cell movement of tumor cell lines	3.34E-05	176
	Corn				
Jejunum	stover	Negative	morphology of urinary system	3.80E-05	65
	Corn				
Jejunum	stover	Negative	endothelial cell development	3.84E-05	82
	Corn				
Jejunum	stover	Negative	neuritogenesis	3.92E-05	126
	Corn				
Jejunum	stover	Negative	development of cardiovascular tissue	4.00E-05	85
	Corn				
Jejunum	stover	Negative	growth of epithelial tissue	4.00E-05	144
	Corn				
Jejunum	stover	Negative	metabolism of carbohydrate	4.00E-05	133
	Corn				
Jejunum	stover	Negative	apoptosis of tumor cell lines	4.00E-05	239
	Corn				
Jejunum	stover	Negative	neuromuscular disease	4.04E-05	181
	Corn				
Jejunum	stover	Negative	abnormal morphology of urinary system	4.82E-05	62
	Corn				
Jejunum	stover	Negative	cell survival	6.65E-05	269
	Corn				
Jejunum	stover	Negative	Movement Disorders	6.93E-05	211
	Corn				
Jejunum	stover	Negative	protein kinase cascade	7.14E-05	94
Jejunum	Corn	Negative	formation of plasma membrane projections	7.64E-05	127

	stover				
	Corn				
Jejunum	stover	Negative	morphology of kidney	7.64E-05	60
	Corn				
Jejunum	stover	Negative	assembly of protein-protein complex	7.69E-05	48
	Corn				
Jejunum	stover	Negative	formation of cytoskeleton	7.99E-05	85
	Corn				
Jejunum	stover	Negative	development of endothelial tissue	8.09E-05	83
	Corn				
Jejunum	stover	Negative	concentration of lipid	8.77E-05	166
	Corn				
Jejunum	stover	Negative	Growth Failure	8.77E-05	127
	Corn				
Jejunum	stover	Negative	abnormal morphology of cardiovascular system	9.74E-05	121
	Corn				
Jejunum	stover	Negative	abnormal morphology of kidney	1.00E-04	57
	Corn				
Jejunum	stover	Negative	differentiation of epithelial tissue	1.25E-04	81
	Corn				
Jejunum	stover	Negative	development of body trunk	1.38E-04	219
	Corn				
Jejunum	stover	Negative	digestive organ tumor	1.44E-04	1268
	Corn				
Jejunum	stover	Negative	ion homeostasis of cells	1.49E-04	118
	Corn				
Jejunum	stover	Negative	digestive system cancer	1.68E-04	1256
	Corn				
Jejunum	stover	Negative	homing of cells	1.68E-04	118
	Corn				
Jejunum	stover	Negative	development of cytoplasm	1.71E-04	100
	Corn				
Jejunum	stover	Negative	autosomal recessive disease	1.75E-04	184
	Corn				
Jejunum	stover	Negative	proliferation of endothelial cells	1.82E-04	71
	Corn				
Jejunum	stover	Negative	formation of actin stress fibers	1.85E-04	57
	Corn				
Jejunum	stover	Negative	morphology of heart	1.93E-04	89
	Corn				
Jejunum	stover	Negative	apoptosis of fibroblast cell lines	2.11E-04	74
	Corn				
Jejunum	stover	Negative	degeneration of nervous system	2.11E-04	66
Jejunum	Corn	Negative	differentiation of connective tissue cells	2.26E-04	133

	stover				
	Corn				
Jejunum	stover	Negative	morphology of nervous system	2.95E-04	158
	Corn				
Jejunum	stover	Negative	migration of blood cells	2.95E-04	174
	Corn				
Jejunum	stover	Negative	abnormal morphology of thoracic cavity	3.06E-04	122
	Corn				
Jejunum	stover	Negative	chemotaxis of cells	3.06E-04	111
	Corn				
Jejunum	stover	Negative	cell viability	3.06E-04	248
	Corn				
Jejunum	stover	Negative	cell death of fibroblast cell lines	3.40E-04	92
	Corn				
Jejunum	stover	Negative	cell movement of endothelial cells	3.49E-04	78
	Corn				
Jejunum	stover	Negative	transactivation	3.65E-04	120
	Corn				
Jejunum	stover	Negative	leukocyte migration	3.79E-04	173
	Corn				
Jejunum	stover	Negative	epilepsy	3.84E-04	69
	Corn				
Jejunum	stover	Negative	quantity of metal	3.93E-04	105
	Corn				
Jejunum	stover	Negative	homing	3.93E-04	119
	Corn				
Jejunum	stover	Negative	endocytosis	4.09E-04	76
	Corn				
Jejunum	stover	Negative	exocytosis	4.18E-04	46
	Corn				
Jejunum	stover	Negative	Neurodegeneration	4.45E-04	69
	Corn				
Jejunum	stover	Negative	differentiation of connective tissue	4.59E-04	147
	Corn				
Jejunum	stover	Negative	migration of connective tissue cells	4.66E-04	44
	Corn				
Jejunum	stover	Negative	morphology of head	4.72E-04	173
	Corn				
Jejunum	stover	Negative	congenital anomaly of musculoskeletal system	4.72E-04	148
	Corn				
Jejunum	stover	Negative	formation of actin filaments	4.72E-04	68
	Corn				
Jejunum	stover	Negative	chemotaxis	5.05E-04	113
Jejunum	Corn	Negative	invasion of tumor cell lines	5.05E-04	135

	stover				
	Corn				
Jejunum	stover	Negative	ubiquitination	5.05E-04	74
	Corn				
Jejunum	stover	Negative	cell death of macrophages	5.05E-04	33
	Corn				
Jejunum	stover	Negative	urination disorder	5.05E-04	65
	Corn				
Jejunum	stover	Negative	ubiquitination of protein	5.05E-04	73
	Corn				
Jejunum	stover	Negative	morphology of body cavity	5.11E-04	228
	Corn				
Jejunum	stover	Negative	synthesis of DNA	5.32E-04	89
	Corn				
Jejunum	stover	Negative	cell death of antigen presenting cells	5.32E-04	40
	Corn				
Jejunum	stover	Negative	function of cardiovascular system	5.44E-04	80
	Corn				
Jejunum	stover	Negative	transmigration of cells	5.51E-04	39
	Corn				
Jejunum	stover	Negative	cell death of myeloid cells	5.56E-04	50
	Corn				
Jejunum	stover	Negative	learning	5.57E-04	89
	Corn				
Jejunum	stover	Negative	migration of tumor cell lines	5.75E-04	142
	Corn				
Jejunum	stover	Negative	quantity of lymphocytes	6.05E-04	142
	Corn				
Jejunum	stover	Negative	proliferation of neuronal cells	6.45E-04	118
	Corn				
Jejunum	stover	Negative	abnormal morphology of abdomen	6.49E-04	172
	Corn				
Jejunum	stover	Negative	quantity of lymphatic system component	6.95E-04	81
	Corn				
Jejunum	stover	Negative	cell death of phagocytes	7.30E-04	49
	Corn				
Jejunum	stover	Negative	quantity of carbohydrate	7.56E-04	107
	Corn				
Jejunum	stover	Negative	cognition	8.28E-04	95
	Corn				
Jejunum	stover	Negative	proliferation of fibroblasts	8.40E-04	76
	Corn				
Jejunum	stover	Negative	proliferation of lymphatic system cells	8.40E-04	47
Jejunum	Corn	Negative	quantity of mononuclear leukocytes	8.92E-04	146

	stover				
	Corn				
Jejunum	stover	Negative	morphology of connective tissue	8.92E-04	96
	Corn				
Jejunum	stover	Negative	infection of cells	9.25E-04	157
	Corn				
Jejunum	stover	Negative	binding of DNA	9.35E-04	107
	Corn				
Jejunum	stover	Negative	function of blood cells	9.35E-04	119
	Corn				
Jejunum	stover	Negative	development of vasculature	9.53E-04	88
	Corn				
Jejunum	stover	Negative	proliferation of embryonic cells	9.53E-04	56
	Corn				
Jejunum	stover	Negative	migration of endothelial cells	9.72E-04	71
	Corn				
Jejunum	stover	Negative	transport of protein	9.72E-04	66
	Corn				
Jejunum	stover	Negative	transactivation of RNA	9.72E-04	111
	Corn				
Jejunum	stover	Negative	quantity of lymphoid organ	1.04E-03	67
	Corn				
Jejunum	stover	Negative	disorder of basal ganglia	1.09E-03	151
	Corn				
Jejunum	stover	Negative	concentration of acylglycerol	1.09E-03	72
	Corn				
Jejunum	stover	Negative	activation of DNA endogenous promoter	1.09E-03	228
	Corn				
Jejunum	stover	Negative	behavior	1.10E-03	190
	Corn				
Jejunum	stover	Negative	dyskinesia	1.10E-03	124
	Corn				
Jejunum	stover	Negative	S phase	1.10E-03	58
	Corn				
Jejunum	stover	Negative	metabolism of fructose-1,6-diphosphate	1.11E-03	6
	Corn				
Jejunum	stover	Negative	epileptic seizure	1.11E-03	40
	Corn				
Jejunum	stover	Negative	quantity of metal ion	1.16E-03	92
	Corn				
Jejunum	stover	Negative	abnormal morphology of nervous system	1.28E-03	143
	Corn				
Jejunum	stover	Negative	growth of vessel	1.30E-03	29
Jejunum	Corn	Negative	infection of kidney cell lines	1.36E-03	62

	stover				
	Corn				
Jejunum	stover	Negative	proliferation of tumor cell lines	1.36E-03	284
	Corn				
Jejunum	stover	Negative	proliferation of fibroblast cell lines	1.42E-03	88
	Corn				
Jejunum	stover	Negative	outgrowth of neurons	1.48E-03	85
	Corn				
Jejunum	stover	Negative	accumulation of blood cells	1.49E-03	61
	Corn				
Jejunum	stover	Negative	activation of antigen presenting cells	1.55E-03	68
	Corn				
Jejunum	stover	Negative	abnormal morphology of body cavity	1.55E-03	215
	Corn				
Jejunum	stover	Negative	quantity of cellular protrusions	1.56E-03	38
	Corn				
Jejunum	stover	Negative	degeneration of cells	1.58E-03	73
	Corn				
Jejunum	stover	Negative	synthesis of carbohydrate	1.58E-03	88
	Corn				
Jejunum	stover	Negative	skin abnormality	1.64E-03	51
	Corn				
Jejunum	stover	Negative	outgrowth of neurites	1.70E-03	84
	Corn				
Jejunum	stover	Negative	quantity of T lymphocytes	1.71E-03	108
	Corn				
Jejunum	stover	Negative	influx of Ca ²⁺	1.71E-03	43
	Corn				
Jejunum	stover	Negative	influx of inorganic cation	1.76E-03	44
	Corn				
Jejunum	stover	Negative	proliferation of hematopoietic cell lines	1.76E-03	50
	Corn				
Jejunum	stover	Negative	degeneration of neurons	1.76E-03	53
	Corn				
Jejunum	stover	Negative	differentiation of epithelial cells	1.76E-03	67
	Corn				
Jejunum	stover	Negative	abnormal morphology of heart	1.76E-03	80
	Corn				
Jejunum	stover	Negative	abnormal morphology of head	1.77E-03	161
	Corn				
Jejunum	stover	Negative	development of lymphatic system	1.77E-03	75
	Corn				
Jejunum	stover	Negative	development of neurons	1.84E-03	152
Jejunum	Corn	Negative	abnormal morphology of thoracic vertebra	1.84E-03	12

	stover				
	Corn				
Jejunum	stover	Negative	abnormal morphology of Schwann cells	1.87E-03	9
	Corn				
Jejunum	stover	Negative	growth of lymphatic system component	1.87E-03	44
	Corn				
Jejunum	stover	Negative	morphology of right ventricle	1.92E-03	17
	Corn				
Jejunum	stover	Negative	morphology of fibroblast cell lines	2.06E-03	23
	Corn				
Jejunum	stover	Negative	necrosis of epithelial tissue	2.20E-03	117
	Corn				
Jejunum	stover	Negative	quantity of Ca ²⁺	2.24E-03	84
	Corn				
Jejunum	stover	Negative	quantity of phagocytes	2.26E-03	87
	Corn				
Jejunum	stover	Negative	abnormal morphology of cells	2.52E-03	234
	Corn				
Jejunum	stover	Negative	size of body	2.63E-03	163
	Corn				
Jejunum	stover	Negative	abnormal morphology of respiratory system	2.63E-03	65
	Corn				
Jejunum	stover	Negative	concentration of triacylglycerol	2.63E-03	65
	Corn				
Jejunum	stover	Negative	migration of fibroblasts	2.63E-03	34
	Corn				
Jejunum	stover	Negative	growth of embryonic tissue	2.72E-03	59
	Corn				
Jejunum	stover	Negative	metabolism of monosaccharide	2.76E-03	30
	Corn				
Jejunum	stover	Negative	cellular degradation	2.86E-03	55
	Corn				
Jejunum	stover	Negative	generation of superoxide	2.86E-03	18
	Corn				
Jejunum	stover	Negative	function of leukocytes	2.86E-03	107
	Corn				
Jejunum	stover	Negative	homeostasis of ion	2.86E-03	52
	Corn				
Jejunum	stover	Negative	cell movement of connective tissue cells	2.86E-03	49
	Corn				
Jejunum	stover	Negative	infection of embryonic cell lines	2.86E-03	59
	Corn				
Jejunum	stover	Negative	infection of epithelial cell lines	2.86E-03	59
Jejunum	Corn	Negative	inflammatory response	2.87E-03	150

	stover				
	Corn				
Jejunum	stover	Negative	abnormal morphology of renal tubule	2.88E-03	27
	Corn				
Jejunum	stover	Negative	proliferative vitreoretinopathy	3.00E-03	6
	Corn				
Jejunum	stover	Negative	development of lymphatic system component	3.16E-03	65
	Corn				
Jejunum	stover	Negative	dysgenesis	3.32E-03	107
	Corn				
Jejunum	stover	Negative	oligomerization of protein	3.34E-03	52
	Corn				
Jejunum	stover	Negative	extension of cellular protrusions	3.34E-03	46
	Corn				
Jejunum	stover	Negative	neurological signs	3.34E-03	127
	Corn				
Jejunum	stover	Negative	formation of cells	3.35E-03	185
	Corn				
Jejunum	stover	Negative	apoptosis of blood cells	3.35E-03	99
	Corn				
Jejunum	stover	Negative	formation of filopodia	3.44E-03	38
	Corn				
Jejunum	stover	Negative	formation of vascular lesion	3.71E-03	28
	Corn				
Jejunum	stover	Negative	Huntington's Disease	3.74E-03	113
	Corn				
Jejunum	stover	Negative	quantity of granulocytes	3.74E-03	66
	Corn				
Jejunum	stover	Negative	abnormal morphology of bone	3.74E-03	88
	Corn				
Jejunum	stover	Negative	neuronal cell death	3.74E-03	132
	Corn				
Jejunum	stover	Negative	quantity of connective tissue	3.74E-03	118
	Corn				
Jejunum	stover	Negative	development of connective tissue	3.80E-03	76
	Corn				
Jejunum	stover	Negative	cell death of blood cells	3.86E-03	134
	Corn				
Jejunum	stover	Negative	abnormal morphology of right ventricle	3.93E-03	15
	Corn				
Jejunum	stover	Negative	formation of lung	3.98E-03	63
	Corn				
Jejunum	stover	Negative	concentration of fatty acid	4.04E-03	59
Jejunum	Corn	Negative	apoptosis of myeloid cells	4.10E-03	42

	stover Corn				
Jejunum	stover Corn	Negative	apoptosis of phagocytes	4.10E-03	42
Jejunum	stover Corn	Negative	quantity of myeloid cells	4.14E-03	73
Jejunum	stover Corn	Negative	uptake of monosaccharide	4.15E-03	57
Jejunum	stover Corn	Negative	MAPKKK cascade	4.19E-03	45
Jejunum	stover Corn	Negative	fusion of cellular membrane	4.39E-03	17
Jejunum	stover Corn	Negative	interphase	4.40E-03	127
Jejunum	stover Corn	Negative	formation of testis	4.46E-03	29
Jejunum	stover Corn	Negative	growth of muscle tissue	4.46E-03	76
Jejunum	stover Corn	Negative	outgrowth of cells	4.46E-03	87
Jejunum	stover Corn	Negative	differentiation of muscle	4.46E-03	63
Jejunum	stover Corn	Negative	chemotaxis of myeloid cells	4.71E-03	61
Jejunum	stover Corn	Negative	congenital anomaly of skin	4.72E-03	40
Jejunum	stover Corn	Negative	accumulation of cells	4.77E-03	72
Jejunum	stover Corn	Negative	quantity of thymus gland	4.86E-03	50
Jejunum	stover Corn	Negative	differentiation of embryonic cells	4.88E-03	49
Jejunum	stover Corn	Negative	neurodegeneration of axons	4.95E-03	22
Jejunum	stover Corn	Negative	neurodegeneration of neurites	4.99E-03	23
Jejunum	stover Corn	Negative	formation of vessel component	5.21E-03	19
Jejunum	stover Corn	Negative	cell viability of tumor cell lines	5.24E-03	148
Jejunum	stover Corn	Negative	cell movement of leukemia cell lines	5.42E-03	32
Jejunum	stover	Negative	development of body axis	5.46E-03	195
Jejunum	Corn	Negative	proliferation of vascular smooth muscle cells	5.51E-03	35

	stover				
	Corn				
Jejunum	stover	Negative	iris coloboma	5.51E-03	5
	Corn				
Jejunum	stover	Negative	metabolism of glucose-6-phosphate	5.51E-03	5
	Corn				
Jejunum	stover	Negative	abnormal morphology of embryonic tissue	5.55E-03	107
	Corn				
Jejunum	stover	Negative	hypoplasia of kidney	5.63E-03	16
	Corn				
Jejunum	stover	Negative	homo-oligomerization of protein	5.64E-03	31
	Corn				
Jejunum	stover	Negative	proliferation of muscle cells	5.74E-03	75
	Corn				
Jejunum	stover	Negative	proliferation of leukocyte cell lines	5.74E-03	44
	Corn				
Jejunum	stover	Negative	adhesion of immune cells	5.80E-03	71
	Corn				
Jejunum	stover	Negative	accumulation of leukocytes	5.86E-03	56
	Corn				
Jejunum	stover	Negative	abnormal morphology of membrane tissue	5.86E-03	38
	Corn				
Jejunum	stover	Negative	organization of fibrils	5.86E-03	15
	Corn				
Jejunum	stover	Negative	apoptosis of antigen presenting cells	5.86E-03	32
	Corn				
Jejunum	stover	Negative	cell death of muscle	5.90E-03	70
	Corn				
Jejunum	stover	Negative	glycolysis of cells	5.90E-03	27
	Corn				
Jejunum	stover	Negative	Hypoplasia	6.00E-03	99
	Corn				
Jejunum	stover	Negative	perinatal death	6.00E-03	115
	Corn				
Jejunum	stover	Negative	morphology of heart ventricle	6.08E-03	42
	Corn				
Jejunum	stover	Negative	replication of virus	6.24E-03	109
	Corn				
Jejunum	stover	Negative	growth of plasma membrane projections	6.24E-03	92
	Corn				
Jejunum	stover	Negative	proliferation of adipoblasts	6.24E-03	6
	Corn				
Jejunum	stover	Negative	multiple congenital anomalies	6.24E-03	84
Jejunum	Corn	Negative	proliferation of central nervous system cells	6.26E-03	34

	stover				
	Corn				
Jejunum	stover	Negative	morphology of bone	6.29E-03	89
	Corn				
Jejunum	stover	Negative	cell death of cervical cancer cell lines	6.32E-03	71
	Corn				
Jejunum	stover	Negative	quantity of thymocytes	6.34E-03	49
	Corn				
Jejunum	stover	Negative	cell movement of leukocytes	6.67E-03	145
	Corn				
Jejunum	stover	Negative	cell movement of myeloid cells	6.68E-03	105
	Corn				
Jejunum	stover	Negative	secretion of molecule	6.70E-03	107
	Corn				
Jejunum	stover	Negative	growth of neurites	6.73E-03	91
	Corn				
Jejunum	stover	Negative	organization of actin filaments	7.04E-03	25
	Corn				
Jejunum	stover	Negative	homeostasis of inorganic cation	7.11E-03	41
	Corn				
Jejunum	stover	Negative	morphology of central nervous system	7.19E-03	100
	Corn				
Jejunum	stover	Negative	cell death of central nervous system cells	7.31E-03	60
	Corn				
Jejunum	stover	Negative	size of cells	7.36E-03	85
	Corn				
Jejunum	stover	Negative	quantity of cytokine	7.47E-03	53
	Corn				
Jejunum	stover	Negative	vascularization of body region	7.53E-03	31
	Corn				
Jejunum	stover	Negative	benign neoplasia	7.53E-03	172
	Corn				
Jejunum	stover	Negative	branching of cells	7.58E-03	74
	Corn				
Jejunum	stover	Negative	morphogenesis of neurons	7.59E-03	84
	Corn				
Jejunum	stover	Negative	apoptosis of cervical cancer cell lines	7.60E-03	58
	Corn				
Jejunum	stover	Negative	anxiety	7.63E-03	41
	Corn				
Jejunum	stover	Negative	function of muscle	7.69E-03	70
	Corn				
Jejunum	stover	Negative	activation of macrophages	7.74E-03	50
Jejunum	Corn	Negative	formation of thymus gland	7.88E-03	36

	stover				
	Corn				
Jejunum	stover	Negative	quantity of kidney	7.88E-03	16
	Corn				
Jejunum	stover	Negative	necrosis of muscle	7.91E-03	69
	Corn				
Jejunum	stover	Negative	proliferation of epithelial cells	7.92E-03	96
	Corn				
Jejunum	stover	Negative	proliferation of mitochondria	8.04E-03	4
	Corn				
Jejunum	stover	Negative	cell movement of phagocytes	8.18E-03	106
	Corn				
Jejunum	stover	Negative	homeostasis of metal ion	8.18E-03	40
	Corn				
Jejunum	stover	Negative	activation of central nervous system cells	8.18E-03	20
	Corn				
Jejunum	stover	Negative	fatty acid metabolism	8.51E-03	115
	Corn				
Jejunum	stover	Negative	cell cycle progression	8.80E-03	192
	Corn				
Jejunum	stover	Negative	contractility of muscle	9.01E-03	41
	Corn				
Jejunum	stover	Negative	oxidation of D-glucose	9.05E-03	14
	Corn				
Jejunum	stover	Negative	atherosclerotic lesion	9.05E-03	34
	Corn				
Jejunum	stover	Negative	formation of neointima	9.05E-03	18
	Corn				
Jejunum	stover	Negative	chemotaxis of phagocytes	9.24E-03	60
	Corn				
Jejunum	stover	Negative	growth of kidney	9.57E-03	22
	Corn				
Jejunum	stover	Negative	atherogenesis	9.58E-03	20
	Corn				
Jejunum	stover	Negative	cell death of immune cells	9.66E-03	125
	Corn				
Jejunum	stover	Negative	flux of Ca ²⁺	9.77E-03	58
	Corn				
Jejunum	stover	Negative	size of embryo	9.81E-03	71
	Corn				
Jejunum	stover	Negative	chemotaxis of antigen presenting cells	9.97E-03	34
	Corn				
Jejunum	stover	Negative	apoptosis of macrophages	9.97E-03	25
Jejunum	Corn	Negative	apoptosis of leukocytes	1.01E-02	89

	stover				
	Corn				
Jejunum	stover	Negative	uptake of carbohydrate	1.01E-02	59
	Corn				
Jejunum	stover	Negative	hypersensitive reaction	1.01E-02	84
	Corn				
Jejunum	stover	Negative	flux of inorganic cation	1.01E-02	61
	Corn				
Jejunum	stover	Negative	morphology of neuroglia	1.01E-02	27
	Corn				
Jejunum	stover	Negative	concentration of Ca ²⁺	1.01E-02	29
	Corn				
Jejunum	stover	Negative	proliferation of smooth muscle cells	1.02E-02	58
	Corn				
Jejunum	stover	Negative	infection by HIV-1	1.02E-02	116
	Corn				
Jejunum	stover	Negative	hypoplasia of organ	1.02E-02	87
	Corn				
Jejunum	stover	Negative	morphogenesis of neurites	1.02E-02	82
	Corn				
Jejunum	stover	Negative	invasion of carcinoma cell lines	1.03E-02	42
	Corn				
Jejunum	stover	Negative	cell death of muscle cells	1.04E-02	67
	Corn				
Jejunum	stover	Negative	trafficking of cells	1.07E-02	19
	Corn				
Jejunum	stover	Negative	abnormal morphology of neuroglia	1.08E-02	21
	Corn				
Jejunum	stover	Negative	oxidation of palmitic acid	1.09E-02	14
	Corn				
Jejunum	stover	Negative	resorption of bone	1.10E-02	36
	Corn				
Jejunum	stover	Negative	sprouting	1.10E-02	76
	Corn				
Jejunum	stover	Negative	juvenile dermatomyositis	1.10E-02	16
	Corn				
Jejunum	stover	Negative	uterine serous papillary cancer	1.11E-02	48
	Corn				
Jejunum	stover	Negative	respiratory system development	1.12E-02	68
	Corn				
Jejunum	stover	Negative	formation of lymphoid organ	1.12E-02	54
	Corn				
Jejunum	stover	Negative	cell death of stromal cells	1.13E-02	6
Jejunum	Corn	Negative	synthesis of porphyrin	1.14E-02	11

	stover				
	Corn				
Jejunum	stover	Negative	proliferation of blood cells	1.15E-02	156
	Corn				
Jejunum	stover	Negative	Organ Degeneration	1.16E-02	95
	Corn				
Jejunum	stover	Negative	polymerization of protein	1.16E-02	73
	Corn				
Jejunum	stover	Negative	apoptosis of muscle cell lines	1.16E-02	17
	Corn				
Jejunum	stover	Negative	abnormal morphology of axial skeleton	1.20E-02	41
	Corn				
Jejunum	stover	Negative	growth of blood vessel	1.20E-02	22
	Corn				
Jejunum	stover	Negative	activation of cells	1.20E-02	179
	Corn				
Jejunum	stover	Negative	growth of renal glomerulus	1.20E-02	18
	Corn				
Jejunum	stover	Negative	infection by RNA virus	1.21E-02	160
	Corn				
Jejunum	stover	Negative	long-term potentiation	1.21E-02	50
	Corn				
Jejunum	stover	Negative	damage of liver cells	1.21E-02	9
	Corn				
Jejunum	stover	Negative	collapse of growth cone	1.21E-02	19
	Corn				
Jejunum	stover	Negative	migration of leukemia cell lines	1.22E-02	20
	Corn				
Jejunum	stover	Negative	abnormal morphology of skeleton	1.22E-02	55
	Corn				
Jejunum	stover	Negative	adhesion of blood cells	1.22E-02	74
	Corn				
Jejunum	stover	Negative	proliferation of hematopoietic cells	1.23E-02	52
	Corn				
Jejunum	stover	Negative	development of abdomen	1.23E-02	110
	Corn				
Jejunum	stover	Negative	allergy	1.23E-02	79
	Corn				
Jejunum	stover	Negative	exit from S phase of colon cancer cell lines	1.23E-02	5
	Corn				
Jejunum	stover	Negative	proliferation of immune cells	1.23E-02	147
	Corn				
Jejunum	stover	Negative	replication of RNA virus	1.23E-02	97
Jejunum	Corn	Negative	autosomal dominant disease	1.27E-02	120

	stover				
	Corn				
Jejunum	stover	Negative	homeostasis of transition metal ion	1.27E-02	16
	Corn				
Jejunum	stover	Negative	size of animal	1.27E-02	38
	Corn				
Jejunum	stover	Negative	abnormal morphology of nephron	1.27E-02	31
	Corn				
Jejunum	stover	Negative	development of connective tissue cells	1.27E-02	46
	Corn				
Jejunum	stover	Negative	formation of skin	1.29E-02	72
	Corn				
Jejunum	stover	Negative	flux of ion	1.31E-02	64
	Corn				
Jejunum	stover	Negative	differentiation of leukocytes	1.31E-02	126
	Corn				
Jejunum	stover	Negative	cell death of melanoma cell lines	1.32E-02	51
	Corn				
Jejunum	stover	Negative	homeostasis of Cu ²⁺	1.32E-02	7
	Corn				
Jejunum	stover	Negative	number of caudal vertebra	1.32E-02	7
	Corn				
Jejunum	stover	Negative	Dermatitis	1.32E-02	84
	Corn				
Jejunum	stover	Negative	mitosis	1.32E-02	95
	Corn				
Jejunum	stover	Negative	mass of connective tissue	1.32E-02	42
	Corn				
Jejunum	stover	Negative	morphology of axial skeleton	1.32E-02	42
	Corn				
Jejunum	stover	Negative	function of neutrophils	1.32E-02	21
	Corn				
Jejunum	stover	Negative	morphology of cardiovascular tissue	1.32E-02	21
	Corn				
Jejunum	stover	Negative	migration of stem cells	1.32E-02	13
	Corn				
Jejunum	stover	Negative	synthesis of heme	1.32E-02	10
	Corn				
Jejunum	stover	Negative	abnormal morphology of vertebrae	1.32E-02	30
	Corn				
Jejunum	stover	Negative	concentration of phosphatidic acid	1.32E-02	30
	Corn				
Jejunum	stover	Negative	function of phagocytes	1.32E-02	61
Jejunum	Corn	Negative	remodeling of bone	1.32E-02	40

	stover				
	Corn				
Jejunum	stover	Negative	infection by Retroviridae	1.33E-02	134
	Corn				
Jejunum	stover	Negative	proliferation of kidney cells	1.33E-02	19
	Corn				
Jejunum	stover	Negative	glucose metabolism disorder	1.33E-02	230
	Corn				
Jejunum	stover	Negative	cell death of epithelial cells	1.34E-02	95
	Corn				
Jejunum	stover	Negative	synthesis of fatty acid	1.34E-02	62
	Corn				
Jejunum	stover	Negative	abnormal morphology of epithelial tissue	1.39E-02	81
	Corn				
Jejunum	stover	Negative	growth of yeast	1.40E-02	23
	Corn				
Jejunum	stover	Negative	shape change of neurites	1.40E-02	57
	Corn				
Jejunum	stover	Negative	quantity of hematopoietic progenitor cells	1.42E-02	85
	Corn				
Jejunum	stover	Negative	synthesis of nucleotide	1.44E-02	71
	Corn				
Jejunum	stover	Negative	contractility of myocardium	1.44E-02	16
	Corn				
Jejunum	stover	Negative	cell movement of sarcoma cell lines	1.44E-02	22
	Corn				
Jejunum	stover	Negative	activation of Protein kinase	1.45E-02	51
	Corn				
Jejunum	stover	Negative	morphology of muscle	1.47E-02	66
	Corn				
Jejunum	stover	Negative	fertility	1.52E-02	71
	Corn				
Jejunum	stover	Negative	morphology of endothelial tissue	1.52E-02	20
	Corn				
Jejunum	stover	Negative	smooth muscle tumor	1.52E-02	60
	Corn				
Jejunum	stover	Negative	stage 2-3 breast cancer	1.52E-02	18
	Corn				
Jejunum	stover	Negative	cell death of brain	1.53E-02	58
	Corn				
Jejunum	stover	Negative	reorganization of cytoskeleton	1.53E-02	40
	Corn				
Jejunum	stover	Negative	accumulation of myeloid cells	1.55E-02	37
Jejunum	Corn	Negative	vascularization	1.55E-02	48

	stover				
	Corn				
Jejunum	stover	Negative	migration of mesenchymal stem cells	1.56E-02	9
	Corn				
Jejunum	stover	Negative	leiomyomatosis	1.57E-02	57
	Corn				
Jejunum	stover	Negative	apoptosis of bone marrow cells	1.60E-02	15
	Corn				
Jejunum	stover	Negative	congenital disorders of glycosylation	1.60E-02	15
	Corn				
Jejunum	stover	Negative	proliferation of glomerular cells	1.60E-02	15
	Corn				
Jejunum	stover	Negative	formation of lymphatic system component	1.61E-02	58
	Corn				
Jejunum	stover	Negative	long-term potentiation of synapse	1.64E-02	32
	Corn				
Jejunum	stover	Negative	exocytosis by cells	1.64E-02	28
	Corn				
Jejunum	stover	Negative	HIV infection	1.65E-02	132
	Corn				
Jejunum	stover	Negative	development of head	1.66E-02	178
	Corn				
Jejunum	stover	Negative	synthesis of polysaccharide	1.66E-02	38
	Corn				
Jejunum	stover	Negative	migration of muscle cells	1.67E-02	35
	Corn				
Jejunum	stover	Negative	autosomal dominant Emery-Dreifuss muscular dystrophy	1.67E-02	16
	Corn				
Jejunum	stover	Negative	release of ATP	1.67E-02	12
	Corn				
Jejunum	stover	Negative	activation of neuroglia	1.67E-02	29
	Corn				
Jejunum	stover	Negative	function of heart	1.67E-02	47
	Corn				
Jejunum	stover	Negative	genodermatosis	1.73E-02	19
	Corn				
Jejunum	stover	Negative	benign connective or soft tissue neoplasm	1.74E-02	71
	Corn				
Jejunum	stover	Negative	quantity of antigen presenting cells	1.75E-02	55
	Corn				
Jejunum	stover	Negative	synthesis of nitric oxide	1.75E-02	55
	Corn				
Jejunum	stover	Negative	coagulation	1.75E-02	40
Jejunum	Corn	Negative	proliferation of lymphatic endothelial cells	1.76E-02	8

	stover				
	Corn				
Jejunum	stover	Negative	uptake of thymidine	1.76E-02	8
	Corn				
Jejunum	stover	Negative	proliferation of prostate cancer cell lines	1.76E-02	60
	Corn				
Jejunum	stover	Negative	abnormal morphology of zona fasciculata	1.76E-02	6
	Corn				
Jejunum	stover	Negative	exit from S phase	1.76E-02	6
	Corn				
Jejunum	stover	Negative	growth of Candida albicans ATCC 90028	1.76E-02	6
	Corn				
Jejunum	stover	Negative	import of lipid	1.76E-02	6
	Corn				
Jejunum	stover	Negative	shape change of neuroblastoma cell lines	1.76E-02	6
	Corn				
Jejunum	stover	Negative	glomerulosclerosis	1.76E-02	28
	Corn				
Jejunum	stover	Negative	synthesis of terpenoid	1.77E-02	56
	Corn				
Jejunum	stover	Negative	growth of brain	1.81E-02	26
	Corn				
Jejunum	stover	Negative	quantity of muscle cells	1.81E-02	26
	Corn				
Jejunum	stover	Negative	glycolysis	1.81E-02	29
	Corn				
Jejunum	stover	Negative	activation of phagocytes	1.81E-02	72
	Corn				
Jejunum	stover	Negative	binding of protein binding site	1.81E-02	57
	Corn				
Jejunum	stover	Negative	cell movement of macrophages	1.81E-02	53
	Corn				
Jejunum	stover	Negative	branching of neurites	1.81E-02	55
	Corn				
Jejunum	stover	Negative	apoptosis of kidney cell lines	1.82E-02	48
	Corn				
Jejunum	stover	Negative	production of HIV	1.82E-02	15
	Corn				
Jejunum	stover	Negative	morphology of vertebral column	1.85E-02	31
	Corn				
Jejunum	stover	Negative	activation of hematopoietic cells	1.85E-02	13
	Corn				
Jejunum	stover	Negative	metabolism of porphyrin	1.85E-02	13
Jejunum	Corn	Negative	proliferation of mesangial cells	1.85E-02	13

	stover				
	Corn				
Jejunum	stover	Negative	cell movement of fibroblasts	1.87E-02	38
	Corn				
Jejunum	stover	Negative	morphology of lymph node	1.90E-02	34
	Corn				
Jejunum	stover	Negative	homeostasis of leukocytes	1.91E-02	104
	Corn				
Jejunum	stover	Negative	quantity of marginal-zone B lymphocytes	1.91E-02	19
	Corn				
Jejunum	stover	Negative	transmigration of blood cells	1.91E-02	28
	Corn				
Jejunum	stover	Negative	export of molecule	1.95E-02	58
	Corn				
Jejunum	stover	Negative	cell death of brain cells	1.97E-02	54
	Corn				
Jejunum	stover	Negative	activation of hematopoietic progenitor cells	1.98E-02	12
	Corn				
Jejunum	stover	Negative	synthesis of hyaluronic acid	1.98E-02	12
	Corn				
Jejunum	stover	Negative	abnormal thermoregulation	1.98E-02	9
	Corn				
Jejunum	stover	Negative	congenital disorder of glycosylation type 1	1.98E-02	9
	Corn				
Jejunum	stover	Negative	metabolism of nucleoside triphosphate	1.98E-02	30
	Corn				
Jejunum	stover	Negative	quantity of interleukin	1.98E-02	30
	Corn				
Jejunum	stover	Negative	mass of adipose tissue	1.98E-02	39
	Corn				
Jejunum	stover	Negative	chronic myeloid leukemia	1.98E-02	24
	Corn				
Jejunum	stover	Negative	contractility of cardiac muscle	2.00E-02	31
	Corn				
Jejunum	stover	Negative	differentiation of muscle cell lines	2.04E-02	34
	Corn				
Jejunum	stover	Negative	Lymphocyte homeostasis	2.06E-02	102
	Corn				
Jejunum	stover	Negative	migration of mesenchymal cells	2.06E-02	11
	Corn				
Jejunum	stover	Negative	activation of vascular endothelial cells	2.08E-02	10
	Corn				
Jejunum	stover	Negative	apoptosis of melanoma cell lines	2.08E-02	28
Jejunum	Corn	Negative	production of virus	2.09E-02	23

	stover				
	Corn				
Jejunum	stover	Negative	release of nitric oxide	2.10E-02	20
	Corn				
Jejunum	stover	Negative	morphology of brain	2.10E-02	88
	Corn				
Jejunum	stover	Negative	stage 3 cancer	2.12E-02	29
	Corn				
Jejunum	stover	Negative	cell death of cerebral cortex cells	2.14E-02	46
	Corn				
Jejunum	stover	Negative	spatial learning	2.15E-02	38
	Corn				
Jejunum	stover	Negative	bone mineral density	2.19E-02	36
	Corn				
Jejunum	stover	Negative	abnormal morphology of lymph node	2.20E-02	32
	Corn				
Jejunum	stover	Negative	apoptosis of stromal cells	2.21E-02	5
	Corn				
Jejunum	stover	Negative	metabolism of fructose-6-phosphate	2.21E-02	5
	Corn				
Jejunum	stover	Negative	re-entry into cell cycle progression of fibroblast	2.21E-02	5
	Corn				
Jejunum	stover	Negative	cell lines	2.21E-02	5
	Corn				
Jejunum	stover	Negative	abnormal morphology of marginal-zone B	2.24E-02	4
	Corn				
Jejunum	stover	Negative	lymphocytes	2.24E-02	4
	Corn				
Jejunum	stover	Negative	cell death of bone marrow stromal cells	2.24E-02	4
	Corn				
Jejunum	stover	Negative	hereditary nonspherocytic hemolytic anemia	2.24E-02	4
	Corn				
Jejunum	stover	Negative	quantity of renal tubule	2.24E-02	4
	Corn				
Jejunum	stover	Negative	metabolism of nucleotide	2.27E-02	83
	Corn				
Jejunum	stover	Negative	branching of neurons	2.28E-02	56
	Corn				
Jejunum	stover	Negative	cell death of smooth muscle cells	2.28E-02	25
	Corn				
Jejunum	stover	Negative	differentiation of bone	2.32E-02	78
	Corn				
Jejunum	stover	Negative	Ph positive chronic myeloid leukemia in chronic	2.32E-02	8
	Corn				
Jejunum	stover	Negative	phase	2.32E-02	8
	Corn				
Jejunum	stover	Negative	advanced sarcoma	2.32E-02	8
	Corn				
Jejunum	stover	Negative	quantity of sustentacular cells	2.32E-02	8
Jejunum	Corn	Negative	release of eicosanoid	2.32E-02	30

	stover				
	Corn				
Jejunum	stover	Negative	quantity of protein in blood	2.32E-02	95
	Corn				
Jejunum	stover	Negative	accumulation of antigen presenting cells	2.32E-02	20
	Corn				
Jejunum	stover	Negative	autosomal dominant myopathy	2.32E-02	20
	Corn				
Jejunum	stover	Negative	morphology of left ventricle	2.32E-02	20
	Corn				
Jejunum	stover	Negative	production of HIV-1	2.32E-02	14
	Corn				
Jejunum	stover	Negative	stress response of tumor cell lines	2.32E-02	14
	Corn				
Jejunum	stover	Negative	cell death of leukocyte cell lines	2.32E-02	41
	Corn				
Jejunum	stover	Negative	release of fatty acid	2.32E-02	35
	Corn				
Jejunum	stover	Negative	formation of vesicles	2.32E-02	26
	Corn				
Jejunum	stover	Negative	chemotaxis of leukocytes	2.33E-02	68
	Corn				
Jejunum	stover	Negative	activation of enzyme	2.33E-02	74
	Corn				
Jejunum	stover	Negative	disorder of lipid metabolism	2.35E-02	40
	Corn				
Jejunum	stover	Negative	cell death of hematopoietic cell lines	2.37E-02	46
	Corn				
Jejunum	stover	Negative	aggregation of blood platelets	2.39E-02	39
	Corn				
Jejunum	stover	Negative	T cell development	2.40E-02	94
	Corn				
Jejunum	stover	Negative	development of leukocytes	2.41E-02	109
	Alfalfa				
Liver	hay	Positive	cancer	1.78E-32	3020
	Alfalfa				
Liver	hay	Positive	malignant solid tumor	1.78E-32	2988
	Alfalfa				
Liver	hay	Positive	morphology of cells	1.33E-26	681
	Alfalfa				
Liver	hay	Positive	cell death	2.05E-25	1066
	Alfalfa				
Liver	hay	Positive	organismal death	4.20E-24	798
Liver	Alfalfa	Positive	proliferation of cells	4.54E-24	1155

	hay				
	Alfalfa				
Liver	hay	Positive	morbidity or mortality	5.60E-24	806
	Alfalfa				
Liver	hay	Positive	necrosis	2.26E-21	834
	Alfalfa				
Liver	hay	Positive	apoptosis	7.02E-20	846
	Alfalfa				
Liver	hay	Positive	neoplasia of epithelial tissue	4.45E-16	2451
	Alfalfa				
Liver	hay	Positive	angiogenesis	1.65E-15	328
	Alfalfa				
Liver	hay	Positive	cell death of tumor cell lines	1.68E-15	510
	Alfalfa				
Liver	hay	Positive	cell movement	1.68E-15	680
	Alfalfa				
Liver	hay	Positive	abdominal neoplasm	2.69E-15	2428
	Alfalfa				
Liver	hay	Positive	expression of RNA	2.72E-15	684
	Alfalfa				
Liver	hay	Positive	abnormal morphology of cells	2.96E-15	433
	Alfalfa				
Liver	hay	Positive	tumorigenesis of tissue	3.33E-15	2481
	Alfalfa				
Liver	hay	Positive	quantity of cells	3.33E-15	577
	Alfalfa				
Liver	hay	Positive	epithelial cancer	3.59E-15	2422
	Alfalfa				
Liver	hay	Positive	transport of molecule	3.92E-15	532
	Alfalfa				
Liver	hay	Positive	differentiation of cells	6.61E-15	710
	Alfalfa				
Liver	hay	Positive	migration of cells	6.61E-15	613
	Alfalfa				
Liver	hay	Positive	transcription of RNA	1.12E-14	599
	Alfalfa				
Liver	hay	Positive	organization of cytoskeleton	1.26E-14	467
	Alfalfa				
Liver	hay	Positive	transcription	1.26E-14	637
	Alfalfa				
Liver	hay	Positive	organization of cytoplasm	1.45E-14	506
	Alfalfa				
Liver	hay	Positive	cellular homeostasis	3.68E-14	501
Liver	Alfalfa	Positive	abdominal cancer	4.07E-14	2392

	hay				
	Alfalfa				
Liver	hay	Positive	vasculogenesis	4.23E-14	269
	Alfalfa				
Liver	hay	Positive	digestive organ tumor	5.20E-14	2109
	Alfalfa				
Liver	hay	Positive	apoptosis of tumor cell lines	2.01E-13	408
	Alfalfa				
Liver	hay	Positive	digestive system cancer	3.04E-13	2085
	Alfalfa				
Liver	hay	Positive	morphology of cardiovascular system	7.12E-13	228
	Alfalfa				
Liver	hay	Positive	metabolism of carbohydrate	6.95E-12	225
	Alfalfa				
Liver	hay	Positive	quantity of leukocytes	9.88E-12	314
	Alfalfa				
Liver	hay	Positive	microtubule dynamics	1.01E-11	392
	Alfalfa				
Liver	hay	Positive	transcription of DNA	1.04E-11	492
	Alfalfa				
Liver	hay	Positive	development of vasculature	1.10E-11	160
	Alfalfa				
Liver	hay	Positive	cell survival	1.32E-11	451
	Alfalfa				
Liver	hay	Positive	quantity of blood cells	2.27E-11	345
	Alfalfa				
Liver	hay	Positive	cell spreading	3.66E-11	112
	Alfalfa				
Liver	hay	Positive	cell movement of tumor cell lines	3.90E-11	292
	Alfalfa				
Liver	hay	Positive	Viral Infection	4.17E-11	510
	Alfalfa				
Liver	hay	Positive	cell death of connective tissue cells	4.71E-11	216
	Alfalfa				
Liver	hay	Positive	synthesis of lipid	5.36E-11	250
	Alfalfa				
Liver	hay	Positive	size of body	1.64E-10	289
	Alfalfa				
Liver	hay	Positive	autosomal recessive disease	2.56E-10	309
	Alfalfa				
Liver	hay	Positive	concentration of lipid	2.92E-10	276
	Alfalfa				
Liver	hay	Positive	abnormal morphology of cardiovascular system	3.13E-10	202
Liver	Alfalfa	Positive	development of body trunk	3.17E-10	365

	hay				
	Alfalfa				
Liver	hay	Positive	uptake of carbohydrate	3.27E-10	114
	Alfalfa				
Liver	hay	Positive	cell viability	3.27E-10	417
	Alfalfa				
Liver	hay	Positive	invasion of cells	3.35E-10	293
	Alfalfa				
Liver	hay	Positive	quantity of connective tissue	4.84E-10	212
	Alfalfa				
Liver	hay	Positive	proliferation of tumor cell lines	1.35E-09	483
	Alfalfa				
Liver	hay	Positive	uptake of monosaccharide	1.76E-09	105
	Alfalfa				
Liver	hay	Positive	function of cardiovascular system	2.14E-09	137
	Alfalfa				
Liver	hay	Positive	invasion of tumor cell lines	2.71E-09	228
	Alfalfa				
Liver	hay	Positive	abnormal morphology of thoracic cavity	2.88E-09	204
	Alfalfa				
Liver	hay	Positive	morphology of body cavity	4.40E-09	381
	Alfalfa				
Liver	hay	Positive	quantity of mononuclear leukocytes	4.51E-09	248
	Alfalfa				
Liver	hay	Positive	activation of DNA endogenous promoter	5.42E-09	385
	Alfalfa				
Liver	hay	Positive	necrosis of epithelial tissue	7.21E-09	203
	Alfalfa				
Liver	hay	Positive	development of epithelial tissue	7.21E-09	181
	Alfalfa				
Liver	hay	Positive	formation of cellular protrusions	7.93E-09	296
	Alfalfa				
Liver	hay	Positive	formation of cytoskeleton	8.48E-09	137
	Alfalfa				
Liver	hay	Positive	development of body axis	8.48E-09	339
	Alfalfa				
Liver	hay	Positive	formation of cells	8.74E-09	319
	Alfalfa				
Liver	hay	Positive	congenital anomaly of musculoskeletal system	1.30E-08	246
	Alfalfa				
Liver	hay	Positive	development of cytoplasm	1.40E-08	163
	Alfalfa				
Liver	hay	Positive	function of leukocytes	1.44E-08	186
Liver	Alfalfa	Positive	cell death of fibroblast cell lines	1.53E-08	152

	hay				
	Alfalfa				
Liver	hay	Positive	quantity of lymphocytes	1.58E-08	237
	Alfalfa				
Liver	hay	Positive	Movement Disorders	1.73E-08	339
	Alfalfa				
Liver	hay	Positive	formation of muscle	2.28E-08	142
	Alfalfa				
Liver	hay	Positive	fatty acid metabolism	2.76E-08	204
	Alfalfa				
Liver	hay	Positive	abnormal morphology of body cavity	3.10E-08	361
	Alfalfa				
Liver	hay	Positive	shape change of tumor cell lines	3.10E-08	64
	Alfalfa				
Liver	hay	Positive	seizure disorder	3.10E-08	164
	Alfalfa				
Liver	hay	Positive	growth of embryo	3.44E-08	166
	Alfalfa				
Liver	hay	Positive	benign neoplasia	3.62E-08	299
	Alfalfa				
Liver	hay	Positive	migration of tumor cell lines	3.62E-08	235
	Alfalfa				
Liver	hay	Positive	morphology of vessel	3.62E-08	113
	Alfalfa				
Liver	hay	Positive	growth of organism	3.62E-08	273
	Alfalfa				
Liver	hay	Positive	proliferation of connective tissue cells	3.62E-08	201
	Alfalfa				
Liver	hay	Positive	function of blood cells	3.78E-08	199
	Alfalfa				
Liver	hay	Positive	cellular infiltration by leukocytes	4.21E-08	138
	Alfalfa				
Liver	hay	Positive	growth of connective tissue	4.31E-08	216
	Alfalfa				
Liver	hay	Positive	morphology of blood vessel	4.31E-08	105
	Alfalfa				
Liver	hay	Positive	cell movement of leukocytes	4.89E-08	252
	Alfalfa				
Liver	hay	Positive	development of head	5.36E-08	314
	Alfalfa				
Liver	hay	Positive	cell transformation	5.61E-08	160
	Alfalfa				
Liver	hay	Positive	synthesis of carbohydrate	5.70E-08	149
Liver	Alfalfa	Positive	cell death of epithelial cells	5.70E-08	171

	hay				
	Alfalfa				
Liver	hay	Positive	formation of actin stress fibers	5.92E-08	91
	Alfalfa				
Liver	hay	Positive	homing	6.67E-08	194
	Alfalfa				
Liver	hay	Positive	cell movement of neutrophils	6.74E-08	109
	Alfalfa				
Liver	hay	Positive	homing of cells	7.00E-08	189
	Alfalfa				
Liver	hay	Positive	function of heart	7.70E-08	88
	Alfalfa				
Liver	hay	Positive	formation of actin filaments	8.34E-08	111
	Alfalfa				
Liver	hay	Positive	proliferation of fibroblasts	8.59E-08	126
	Alfalfa				
Liver	hay	Positive	fibrogenesis	8.89E-08	144
	Alfalfa				
Liver	hay	Positive	leukocyte migration	9.05E-08	281
	Alfalfa				
Liver	hay	Positive	sprouting	1.03E-07	136
	Alfalfa				
Liver	hay	Positive	breast or colorectal cancer	1.06E-07	1392
	Alfalfa				
Liver	hay	Positive	cellular infiltration of cells	1.26E-07	139
	Alfalfa				
Liver	hay	Positive	proliferation of blood cells	1.76E-07	271
	Alfalfa				
Liver	hay	Positive	differentiation of leukocytes	2.03E-07	221
	Alfalfa				
Liver	hay	Positive	synthesis of fatty acid	2.03E-07	112
	Alfalfa				
Liver	hay	Positive	apoptosis of fibroblast cell lines	2.03E-07	117
	Alfalfa				
Liver	hay	Positive	cell death of sarcoma cell lines	2.68E-07	85
	Alfalfa				
Liver	hay	Positive	abnormal morphology of blood vessel	2.82E-07	97
	Alfalfa				
Liver	hay	Positive	cellular infiltration	3.10E-07	150
	Alfalfa				
Liver	hay	Positive	proliferation of immune cells	3.20E-07	255
	Alfalfa				
Liver	hay	Positive	cell viability of tumor cell lines	3.40E-07	251
Liver	Alfalfa	Positive	quantity of carbohydrate	3.52E-07	174

	hay				
	Alfalfa				
Liver	hay	Positive	formation of skin	3.57E-07	128
	Alfalfa				
Liver	hay	Positive	degeneration of cells	3.75E-07	121
	Alfalfa				
Liver	hay	Positive	cell death of cervical cancer cell lines	3.75E-07	123
	Alfalfa				
Liver	hay	Positive	advanced malignant tumor	3.95E-07	270
	Alfalfa				
Liver	hay	Positive	metabolism of membrane lipid derivative	4.54E-07	134
	Alfalfa				
Liver	hay	Positive	differentiation of blood cells	4.65E-07	269
	Alfalfa				
Liver	hay	Positive	uptake of D-hexose	4.82E-07	83
	Alfalfa				
Liver	hay	Positive	morphology of connective tissue	4.92E-07	156
	Alfalfa				
Liver	hay	Positive	concentration of phosphatidic acid	4.92E-07	55
	Alfalfa				
Liver	hay	Positive	survival of organism	4.94E-07	228
	Alfalfa				
Liver	hay	Positive	growth of tumor	5.07E-07	255
	Alfalfa				
Liver	hay	Positive	production of reactive oxygen species	5.51E-07	127
	Alfalfa				
Liver	hay	Positive	phosphorylation of protein	5.81E-07	237
	Alfalfa				
Liver	hay	Positive	uptake of D-glucose	5.81E-07	82
	Alfalfa				
Liver	hay	Positive	contractility of myocardium	5.98E-07	30
	Alfalfa				
Liver	hay	Positive	disorder of basal ganglia	6.14E-07	246
	Alfalfa				
Liver	hay	Positive	cell movement of phagocytes	6.36E-07	182
	Alfalfa				
Liver	hay	Positive	contractility of ventricular myocardium	6.38E-07	28
	Alfalfa				
Liver	hay	Positive	quantity of metal ion	6.60E-07	150
	Alfalfa				
Liver	hay	Positive	function of muscle	7.03E-07	121
	Alfalfa				
Liver	hay	Positive	cell movement of myeloid cells	7.11E-07	179
Liver	Alfalfa	Positive	metastatic colorectal cancer	7.11E-07	73

	hay				
	Alfalfa				
Liver	hay	Positive	autophagy	7.81E-07	129
	Alfalfa				
Liver	hay	Positive	formation of filaments	7.83E-07	136
	Alfalfa				
Liver	hay	Positive	chemotaxis	8.99E-07	180
	Alfalfa				
Liver	hay	Positive	metastasis	8.99E-07	243
	Alfalfa				
Liver	hay	Positive	quantity of metal	9.26E-07	166
	Alfalfa				
Liver	hay	Positive	neuronal cell death	9.71E-07	220
	Alfalfa				
Liver	hay	Positive	morphology of heart	9.71E-07	138
	Alfalfa				
Liver	hay	Positive	cardiogenesis	9.78E-07	158
	Alfalfa				
Liver	hay	Positive	seizures	9.83E-07	136
	Alfalfa				
Liver	hay	Positive	development of cardiovascular tissue	9.91E-07	127
	Alfalfa				
Liver	hay	Positive	growth of muscle tissue	1.05E-06	128
	Alfalfa				
Liver	hay	Positive	mitosis	1.08E-06	165
	Alfalfa				
Liver	hay	Positive	development of digestive system	1.08E-06	131
	Alfalfa				
Liver	hay	Positive	morphology of lymphatic system component	1.08E-06	141
	Alfalfa				
Liver	hay	Positive	abnormal morphology of abdomen	1.08E-06	276
	Alfalfa				
Liver	hay	Positive	cell spreading of tumor cell lines	1.09E-06	45
	Alfalfa				
Liver	hay	Positive	chemotaxis of cells	1.23E-06	174
	Alfalfa				
Liver	hay	Positive	growth of lymphatic system component	1.24E-06	72
	Alfalfa				
Liver	hay	Positive	proliferation of muscle cells	1.24E-06	127
	Alfalfa				
Liver	hay	Positive	morphology of muscle	1.39E-06	116
	Alfalfa				
Liver	hay	Positive	mammary tumor	1.48E-06	488
Liver	Alfalfa	Positive	formation of eye	1.55E-06	147

	hay				
	Alfalfa				
Liver	hay	Positive	neurological signs	1.55E-06	210
	Alfalfa				
Liver	hay	Positive	quantity of myeloid cells	1.55E-06	122
	Alfalfa				
Liver	hay	Positive	angiogenesis of lesion	1.70E-06	51
	Alfalfa				
Liver	hay	Positive	branching of cells	1.71E-06	126
	Alfalfa				
Liver	hay	Positive	synthesis of reactive oxygen species	1.87E-06	159
	Alfalfa				
Liver	hay	Positive	epilepsy	1.88E-06	107
	Alfalfa				
Liver	hay	Positive	transactivation	1.98E-06	188
	Alfalfa				
Liver	hay	Positive	development of leukocytes	2.08E-06	191
	Alfalfa				
Liver	hay	Positive	infection by Retroviridae	2.15E-06	229
	Alfalfa				
Liver	hay	Positive	cell cycle progression	2.25E-06	322
	Alfalfa				
Liver	hay	Positive	quantity of Ca ²⁺	2.28E-06	137
	Alfalfa				
Liver	hay	Positive	phosphorylation of amino acids	2.36E-06	80
	Alfalfa				
Liver	hay	Positive	skin abnormality	2.58E-06	82
	Alfalfa				
Liver	hay	Positive	abnormal morphology of epithelial tissue	2.58E-06	140
	Alfalfa				
Liver	hay	Positive	T cell homeostasis	2.66E-06	169
	Alfalfa				
Liver	hay	Positive	T cell development	2.66E-06	165
	Alfalfa				
Liver	hay	Positive	morphology of heart ventricle	2.67E-06	71
	Alfalfa				
Liver	hay	Positive	metastatic malignant neoplasm of digestive system	2.71E-06	84
	Alfalfa				
Liver	hay	Positive	growth of epithelial tissue	2.71E-06	217
	Alfalfa				
Liver	hay	Positive	adhesion of immune cells	2.71E-06	119
	Alfalfa				
Liver	hay	Positive	development of endothelial tissue	2.77E-06	124
Liver	Alfalfa	Positive	Organ Degeneration	2.96E-06	162

	hay				
	Alfalfa				
Liver	hay	Positive	Huntington's Disease	2.96E-06	186
	Alfalfa				
Liver	hay	Positive	Growth Failure	2.98E-06	193
	Alfalfa				
Liver	hay	Positive	apoptosis of hepatoma cell lines	3.08E-06	58
	Alfalfa				
Liver	hay	Positive	Gastrointestinal Tract Cancer and Tumors	3.08E-06	1420
	Alfalfa				
Liver	hay	Positive	metastatic gastrointestinal tract cancer	3.19E-06	80
	Alfalfa				
Liver	hay	Positive	Lymphocyte homeostasis	3.34E-06	177
	Alfalfa				
Liver	hay	Positive	dyskinesia	3.44E-06	198
	Alfalfa				
Liver	hay	Positive	migration of endothelial cells	3.83E-06	112
	Alfalfa				
Liver	hay	Positive	proliferation of hematopoietic progenitor cells	3.93E-06	86
	Alfalfa				
Liver	hay	Positive	phosphorylation of L-amino acid	3.95E-06	79
	Alfalfa				
Liver	hay	Positive	development of blood cells	4.16E-06	208
	Alfalfa				
Liver	hay	Positive	cell death of epithelial cell lines	4.16E-06	98
	Alfalfa				
Liver	hay	Positive	proliferation of lymphatic system cells	4.19E-06	73
	Alfalfa				
Liver	hay	Positive	morphology of lymphoid organ	4.26E-06	131
	Alfalfa				
Liver	hay	Positive	recruitment of phagocytes	4.28E-06	87
	Alfalfa				
Liver	hay	Positive	Neurodegeneration	4.29E-06	106
	Alfalfa				
Liver	hay	Positive	invasion of prostate cancer cell lines	4.29E-06	42
	Alfalfa				
Liver	hay	Positive	metabolism of reactive oxygen species	4.40E-06	163
	Alfalfa				
Liver	hay	Positive	gastrointestinal tract cancer	4.82E-06	1396
	Alfalfa				
Liver	hay	Positive	homeostasis of leukocytes	4.96E-06	179
	Alfalfa				
Liver	hay	Positive	morphology of bone	4.96E-06	148
Liver	Alfalfa	Positive	contractility of heart	5.22E-06	65

	hay				
	Alfalfa				
Liver	hay	Positive	quantity of T lymphocytes	5.35E-06	173
	Alfalfa				
Liver	hay	Positive	adhesion of blood cells	5.35E-06	126
	Alfalfa				
Liver	hay	Positive	proliferation of neuronal cells	5.35E-06	185
	Alfalfa				
Liver	hay	Positive	cell movement of endothelial cells	5.43E-06	119
	Alfalfa				
Liver	hay	Positive	endothelial cell development	5.43E-06	119
	Alfalfa				
Liver	hay	Positive	cell movement of granulocytes	5.43E-06	124
	Alfalfa				
Liver	hay	Positive	infection by lentivirus	5.61E-06	225
	Alfalfa				
Liver	hay	Positive	Bleeding	5.80E-06	140
	Alfalfa				
Liver	hay	Positive	proliferation of hematopoietic cells	5.87E-06	89
	Alfalfa				
Liver	hay	Positive	recruitment of leukocytes	6.15E-06	110
	Alfalfa				
Liver	hay	Positive	protein kinase cascade	6.22E-06	139
	Alfalfa				
Liver	hay	Positive	development of lymphocytes	6.25E-06	178
	Alfalfa				
Liver	hay	Positive	replication of RNA virus	6.46E-06	164
	Alfalfa				
Liver	hay	Positive	HIV infection	6.46E-06	224
	Alfalfa				
Liver	hay	Positive	development of sensory organ	6.46E-06	181
	Alfalfa				
Liver	hay	Positive	adenocarcinoma	6.46E-06	1771
	Alfalfa				
Liver	hay	Positive	morphology of skin	6.66E-06	94
	Alfalfa				
Liver	hay	Positive	development of mononuclear leukocytes	6.84E-06	179
	Alfalfa				
Liver	hay	Positive	apoptosis of epithelial cells	6.84E-06	98
	Alfalfa				
Liver	hay	Positive	plasma cell dyscrasia	7.13E-06	113
	Alfalfa				
Liver	hay	Positive	accumulation of cells	7.21E-06	118
Liver	Alfalfa	Positive	angiogenesis of tumor	7.25E-06	47

	hay				
	Alfalfa				
Liver	hay	Positive	cell death of pheochromocytoma cell lines	7.25E-06	47
	Alfalfa				
Liver	hay	Positive	congenital malformation of skeleton	7.50E-06	139
	Alfalfa				
Liver	hay	Positive	proliferation of mononuclear leukocytes	7.50E-06	231
	Alfalfa				
Liver	hay	Positive	neuromuscular disease	8.07E-06	272
	Alfalfa				
Liver	hay	Positive	quantity of antigen presenting cells	8.16E-06	95
	Alfalfa				
Liver	hay	Positive	apoptosis of cardiomyocytes	8.16E-06	67
	Alfalfa				
Liver	hay	Positive	metabolism of phospholipid	8.29E-06	82
	Alfalfa				
Liver	hay	Positive	recruitment of cells	8.39E-06	119
	Alfalfa				
Liver	hay	Positive	adenoma	8.56E-06	177
	Alfalfa				
Liver	hay	Positive	interphase	8.74E-06	207
	Alfalfa				
Liver	hay	Positive	perinatal death	9.02E-06	189
	Alfalfa				
Liver	hay	Positive	breast or ovarian cancer	9.25E-06	555
	Alfalfa				
Liver	hay	Positive	secondary neoplasm of digestive system	9.25E-06	88
	Alfalfa				
Liver	hay	Positive	abdominal adenocarcinoma	9.31E-06	1614
	Alfalfa				
Liver	hay	Positive	intestinal tumor	9.78E-06	1208
	Alfalfa				
Liver	hay	Positive	adhesion of tumor cell lines	9.99E-06	98
	Alfalfa				
Liver	hay	Positive	proliferation of lymphocytes	9.99E-06	227
	Alfalfa				
Liver	hay	Positive	congenital anomaly of skin	1.02E-05	65
	Alfalfa				
Liver	hay	Positive	abnormal morphology of lymphoid organ	1.08E-05	125
	Alfalfa				
Liver	hay	Positive	apoptosis of heart cells	1.11E-05	68
	Alfalfa				
Liver	hay	Positive	cell death of hepatoma cell lines	1.11E-05	62
Liver	Alfalfa	Positive	metabolism of phosphatidic acid	1.11E-05	62

	hay				
	Alfalfa				
Liver	hay	Positive	apoptosis of cervical cancer cell lines	1.13E-05	96
	Alfalfa				
Liver	hay	Positive	morphology of blood cells	1.13E-05	136
	Alfalfa				
Liver	hay	Positive	cell death of blood cells	1.13E-05	217
	Alfalfa				
Liver	hay	Positive	female genital tract serous cancer	1.14E-05	127
	Alfalfa				
Liver	hay	Positive	cell movement of fibroblasts	1.17E-05	66
	Alfalfa				
Liver	hay	Positive	concentration of phospholipid	1.17E-05	66
	Alfalfa				
Liver	hay	Positive	accumulation of lipid	1.19E-05	101
	Alfalfa				
Liver	hay	Positive	dysmyelination	1.21E-05	51
	Alfalfa				
Liver	hay	Positive	colorectal neoplasia	1.25E-05	1203
	Alfalfa				
Liver	hay	Positive	vascularization	1.26E-05	82
	Alfalfa				
Liver	hay	Positive	apoptosis of connective tissue cells	1.27E-05	100
	Alfalfa				
Liver	hay	Positive	infection by RNA virus	1.28E-05	266
	Alfalfa				
Liver	hay	Positive	differentiation of epithelial tissue	1.28E-05	119
	Alfalfa				
Liver	hay	Positive	activation of cells	1.37E-05	297
	Alfalfa				
Liver	hay	Positive	small GTPase mediated signal transduction	1.38E-05	66
	Alfalfa				
Liver	hay	Positive	synthesis of nitric oxide	1.44E-05	94
	Alfalfa				
Liver	hay	Positive	quantity of phagocytes	1.45E-05	138
	Alfalfa				
Liver	hay	Positive	degeneration of nervous system	1.55E-05	97
	Alfalfa				
Liver	hay	Positive	replication of virus	1.55E-05	178
	Alfalfa				
Liver	hay	Positive	apoptosis of epithelial cell lines	1.55E-05	78
	Alfalfa				
Liver	hay	Positive	function of lymphocytes	1.56E-05	113
Liver	Alfalfa	Positive	cell viability of cervical cancer cell lines	1.64E-05	77

	hay				
	Alfalfa				
Liver	hay	Positive	paralysis	1.65E-05	60
	Alfalfa				
Liver	hay	Positive	differentiation of embryonic tissue	1.68E-05	87
	Alfalfa				
Liver	hay	Positive	demyelination	1.73E-05	46
	Alfalfa				
Liver	hay	Positive	binding of DNA	1.73E-05	166
	Alfalfa				
Liver	hay	Positive	proliferation of tumor cells	1.77E-05	151
	Alfalfa				
Liver	hay	Positive	concentration of acylglycerol	1.79E-05	111
	Alfalfa				
Liver	hay	Positive	cell death of tumor	1.79E-05	125
	Alfalfa				
Liver	hay	Positive	migration of tumor cells	1.79E-05	78
	Alfalfa				
Liver	hay	Positive	cell death of skin	1.79E-05	41
	Alfalfa				
Liver	hay	Positive	autophagy of cells	1.81E-05	90
	Alfalfa				
Liver	hay	Positive	abnormal morphology of bone	1.88E-05	141
	Alfalfa				
Liver	hay	Positive	ubiquitination of protein	1.90E-05	110
	Alfalfa				
Liver	hay	Positive	differentiation of tumor cell lines	1.91E-05	124
	Alfalfa				
Liver	hay	Positive	Encephalitis	1.94E-05	99
	Alfalfa				
Liver	hay	Positive	formation of filopodia	1.94E-05	60
	Alfalfa				
Liver	hay	Positive	proliferation of embryonic cells	2.15E-05	85
	Alfalfa				
Liver	hay	Positive	keratosis	2.15E-05	46
	Alfalfa				
Liver	hay	Positive	development of lymphatic system component	2.15E-05	103
	Alfalfa				
Liver	hay	Positive	synthesis of DNA	2.17E-05	135
	Alfalfa				
Liver	hay	Positive	cellular infiltration by granulocytes	2.17E-05	74
	Alfalfa				
Liver	hay	Positive	inflammation of central nervous system	2.17E-05	101
Liver	Alfalfa	Positive	abnormal morphology of heart	2.18E-05	125

	hay				
	Alfalfa				
Liver	hay	Positive	development of lymphatic system	2.27E-05	117
	Alfalfa				
Liver	hay	Positive	necrosis of tumor	2.35E-05	124
	Alfalfa				
Liver	hay	Positive	contractility of heart ventricle	2.36E-05	32
	Alfalfa				
Liver	hay	Positive	cell movement of mononuclear leukocytes	2.39E-05	148
	Alfalfa				
Liver	hay	Positive	ubiquitination	2.49E-05	111
	Alfalfa				
Liver	hay	Positive	melanoma	2.61E-05	1798
	Alfalfa				
Liver	hay	Positive	development of connective tissue	2.64E-05	121
	Alfalfa				
Liver	hay	Positive	cell death of immune cells	2.67E-05	205
	Alfalfa				
Liver	hay	Positive	differentiation of connective tissue	2.68E-05	225
	Alfalfa				
Liver	hay	Positive	stress response of cells	2.73E-05	51
	Alfalfa				
Liver	hay	Positive	apoptosis of dermal cells	2.76E-05	36
	Alfalfa				
Liver	hay	Positive	epileptic seizure	2.77E-05	60
	Alfalfa				
Liver	hay	Positive	infiltration by neutrophils	2.85E-05	59
	Alfalfa				
Liver	hay	Positive	migration of prostate cancer cell lines	2.91E-05	41
	Alfalfa				
Liver	hay	Positive	blood protein disorder	3.02E-05	122
	Alfalfa				
Liver	hay	Positive	arrest in interphase	3.14E-05	134
	Alfalfa				
Liver	hay	Positive	cell death of embryonic cells	3.23E-05	44
	Alfalfa				
Liver	hay	Positive	contractility of cardiac muscle	3.27E-05	53
	Alfalfa				
Liver	hay	Positive	proliferation of myeloid cells	3.28E-05	45
	Alfalfa				
Liver	hay	Positive	transactivation of RNA	3.30E-05	171
	Alfalfa				
Liver	hay	Positive	craniofacial abnormality	3.38E-05	116
Liver	Alfalfa	Positive	export of molecule	3.38E-05	98

	hay				
	Alfalfa				
Liver	hay	Positive	metastatic solid tumor	3.52E-05	139
	Alfalfa				
Liver	hay	Positive	proliferation of smooth muscle cells	3.67E-05	95
	Alfalfa				
Liver	hay	Positive	inflammatory response	3.67E-05	238
	Alfalfa				
Liver	hay	Positive	intestinal cancer	3.79E-05	1183
	Alfalfa				
Liver	hay	Positive	immune response of cells	3.83E-05	179
	Alfalfa				
Liver	hay	Positive	gastrointestinal carcinoma	3.84E-05	1245
	Alfalfa				
Liver	hay	Positive	recruitment of neutrophils	3.84E-05	65
	Alfalfa				
Liver	hay	Positive	development of abdomen	3.85E-05	181
	Alfalfa				
Liver	hay	Positive	apoptosis of skin	3.86E-05	37
	Alfalfa				
Liver	hay	Positive	morphology of leukocytes	4.02E-05	112
	Alfalfa				
Liver	hay	Positive	morphology of head	4.08E-05	265
	Alfalfa				
Liver	hay	Positive	cell movement of connective tissue cells	4.08E-05	76
	Alfalfa				
Liver	hay	Positive	cell death of dermal cells	4.10E-05	38
	Alfalfa				
Liver	hay	Positive	growth of plasma membrane projections	4.12E-05	148
	Alfalfa				
Liver	hay	Positive	concentration of fatty acid	4.13E-05	93
	Alfalfa				
Liver	hay	Positive	apoptosis of neurons	4.19E-05	139
	Alfalfa				
Liver	hay	Positive	cell movement of lymphocytes	4.24E-05	127
	Alfalfa				
Liver	hay	Positive	apoptosis of sarcoma cell lines	4.25E-05	66
	Alfalfa				
Liver	hay	Positive	cell death of bone cancer cell lines	4.25E-05	62
	Alfalfa				
Liver	hay	Positive	synthesis of phospholipid	4.25E-05	62
	Alfalfa				
Liver	hay	Positive	metastasis of cells	4.36E-05	84
Liver	Alfalfa	Positive	advanced stage solid tumor	4.52E-05	162

	hay				
	Alfalfa				
Liver	hay	Positive	demyelination of central nervous system	4.62E-05	21
	Alfalfa				
Liver	hay	Positive	apoptosis of pheochromocytoma cell lines	4.63E-05	36
	Alfalfa				
Liver	hay	Positive	quantity of bone	4.64E-05	83
	Alfalfa				
Liver	hay	Positive	cell death of tumor cells	4.66E-05	120
	Alfalfa				
Liver	hay	Positive	autosomal dominant disease	4.67E-05	197
	Alfalfa				
Liver	hay	Positive	abnormal morphology of skin	4.94E-05	82
	Alfalfa				
Liver	hay	Positive	quantity of reactive oxygen species	5.03E-05	62
	Alfalfa				
Liver	hay	Positive	abnormal morphology of leukocytes	5.04E-05	77
	Alfalfa				
Liver	hay	Positive	quantity of IL-6 in blood	5.19E-05	34
	Alfalfa				
Liver	hay	Positive	colorectal cancer	5.27E-05	1179
	Alfalfa				
Liver	hay	Positive	abnormal morphology of head	5.29E-05	252
	Alfalfa				
Liver	hay	Positive	cleavage of cells	5.35E-05	55
	Alfalfa				
Liver	hay	Positive	quantity of B lymphocytes	5.46E-05	112
	Alfalfa				
Liver	hay	Positive	migration of cancer cells	5.53E-05	67
	Alfalfa				
Liver	hay	Positive	infection of cells	5.60E-05	242
	Alfalfa				
Liver	hay	Positive	differentiation of bone	5.62E-05	131
	Alfalfa				
Liver	hay	Positive	growth of neurites	5.62E-05	146
	Alfalfa				
Liver	hay	Positive	cell death of fibroblasts	5.63E-05	88
	Alfalfa				
Liver	hay	Positive	cell death of heart	5.75E-05	77
	Alfalfa				
Liver	hay	Positive	differentiation of connective tissue cells	5.82E-05	198
	Alfalfa				
Liver	hay	Positive	quantity of epithelial tissue	5.86E-05	62
Liver	Alfalfa	Positive	quantity of lymphatic system cells	5.90E-05	91

	hay				
	Alfalfa				
Liver	hay	Positive	necrosis of cardiac muscle	5.90E-05	74
	Alfalfa				
Liver	hay	Positive	size of embryo	5.95E-05	115
	Alfalfa				
Liver	hay	Positive	morphology of reproductive system	5.95E-05	167
	Alfalfa				
Liver	hay	Positive	cell death of B-lymphocyte derived cell lines	6.02E-05	47
	Alfalfa				
Liver	hay	Positive	abnormal morphology of muscle	6.64E-05	103
	Alfalfa				
Liver	hay	Positive	quantity of granulocytes	6.64E-05	103
	Alfalfa				
Liver	hay	Positive	quantity of diacylglycerol	6.80E-05	25
	Alfalfa				
Liver	hay	Positive	development of gastrointestinal tract	6.80E-05	87
	Alfalfa				
Liver	hay	Positive	hypersensitive reaction	6.80E-05	136
	Alfalfa				
Liver	hay	Positive	size of animal	6.88E-05	62
	Alfalfa				
Liver	hay	Positive	proliferation of hepatoma cell lines	7.07E-05	68
	Alfalfa				
Liver	hay	Positive	serous neoplasm	7.14E-05	188
	Alfalfa				
Liver	hay	Positive	abnormal morphology of reproductive system	7.14E-05	159
	Alfalfa				
Liver	hay	Positive	formation of leukocytes	7.32E-05	56
	Alfalfa				
Liver	hay	Positive	activation of neuroglia	7.32E-05	48
	Alfalfa				
Liver	hay	Positive	colony formation of cells	7.36E-05	154
	Alfalfa				
Liver	hay	Positive	cell death of neuroglia	7.41E-05	44
	Alfalfa				
Liver	hay	Positive	growth of lymphoid organ	7.43E-05	60
	Alfalfa				
Liver	hay	Positive	cognition	7.59E-05	143
	Alfalfa				
Liver	hay	Positive	differentiation of T lymphocytes	7.83E-05	121
	Alfalfa				
Liver	hay	Positive	proliferation of fibroblast cell lines	7.83E-05	134
Liver	Alfalfa	Positive	formation of muscle cells	8.04E-05	62

	hay				
	Alfalfa				
Liver	hay	Positive	proliferation of T lymphocytes	8.25E-05	186
	Alfalfa				
Liver	hay	Positive	Dermatitis	8.27E-05	137
	Alfalfa				
Liver	hay	Positive	organization of actin cytoskeleton	8.33E-05	98
	Alfalfa				
Liver	hay	Positive	arthropathy	8.33E-05	284
	Alfalfa				
Liver	hay	Positive	morphology of respiratory system	8.41E-05	101
	Alfalfa				
Liver	hay	Positive	proliferation of endothelial cells	8.41E-05	101
	Alfalfa				
Liver	hay	Positive	behavior	8.41E-05	294
	Alfalfa				
Liver	hay	Positive	differentiation of bone cells	8.48E-05	129
	Alfalfa				
Liver	hay	Positive	cytostasis of tumor cell lines	8.58E-05	56
	Alfalfa				
Liver	hay	Positive	morphology of cardiovascular tissue	8.59E-05	34
	Alfalfa				
Liver	hay	Positive	encephalomyelitis	8.61E-05	85
	Alfalfa				
Liver	hay	Positive	apoptosis of cerebral cortex cells	8.64E-05	40
	Alfalfa				
Liver	hay	Positive	cell death of heart cells	8.84E-05	74
	Alfalfa				
Liver	hay	Positive	function of cardiac muscle	8.84E-05	63
	Alfalfa				
Liver	hay	Positive	quantity of protein in blood	8.89E-05	158
	Alfalfa				
Liver	hay	Positive	learning	8.91E-05	132
	Alfalfa				
Liver	hay	Positive	abnormal morphology of lymphocytes	8.95E-05	59
	Alfalfa				
Liver	hay	Positive	inflammation of organ	9.28E-05	345
	Alfalfa				
Liver	hay	Positive	production of antibody	9.29E-05	101
	Alfalfa				
Liver	hay	Positive	breast cancer	9.48E-05	441
	Alfalfa				
Liver	hay	Positive	cell death of embryonic stem cells	9.51E-05	22
Liver	Alfalfa	Positive	cell death of cardiomyocytes	9.91E-05	72

	hay				
	Alfalfa				
Liver	hay	Positive	quantity of hematopoietic cells	1.01E-04	139
	Alfalfa				
Liver	hay	Positive	quantity of lymphatic system component	1.01E-04	120
	Alfalfa				
Liver	hay	Positive	formation of lymphatic system component	1.01E-04	95
	Alfalfa				
Liver	hay	Positive	infection by HIV-1	1.01E-04	187
	Alfalfa				
Liver	hay	Positive	development of central nervous system	1.01E-04	195
	Alfalfa				
Liver	hay	Positive	colony formation	1.01E-04	166
	Alfalfa				
Liver	hay	Positive	Breast Cancer and Tumors	1.01E-04	442
	Alfalfa				
Liver	hay	Positive	apoptosis of muscle	1.02E-04	86
	Alfalfa				
Liver	hay	Positive	apoptosis of endothelial cells	1.02E-04	63
	Alfalfa				
Liver	hay	Positive	cell death of carcinoma cell lines	1.02E-04	93
	Alfalfa				
Liver	hay	Positive	morphology of nervous system	1.06E-04	236
	Alfalfa				
Liver	hay	Positive	growth of skin	1.06E-04	73
	Alfalfa				
Liver	hay	Positive	cell movement of muscle cells	1.06E-04	62
	Alfalfa				
Liver	hay	Positive	migration of connective tissue cells	1.06E-04	62
	Alfalfa				
Liver	hay	Positive	activation of enzyme	1.06E-04	123
	Alfalfa				
Liver	hay	Positive	abdominal carcinoma	1.07E-04	1621
	Alfalfa				
Liver	hay	Positive	hemorrhagic disease	1.09E-04	83
	Alfalfa				
Liver	hay	Positive	neuritogenesis	1.14E-04	179
	Alfalfa				
Liver	hay	Positive	accumulation of blood cells	1.17E-04	91
	Alfalfa				
Liver	hay	Positive	hypertrophy of heart	1.18E-04	108
	Alfalfa				
Liver	hay	Positive	abnormal morphology of respiratory system	1.18E-04	99
Liver	Alfalfa	Positive	cell movement of tumor cells	1.18E-04	63

	hay				
	Alfalfa				
Liver	hay	Positive	cell death of myeloma cell lines	1.20E-04	36
	Alfalfa				
Liver	hay	Positive	degeneration of muscle cells	1.22E-04	23
	Alfalfa				
Liver	hay	Positive	synthesis of phosphatidic acid	1.23E-04	49
	Alfalfa				
Liver	hay	Positive	movement of vascular endothelial cells	1.24E-04	62
	Alfalfa				
Liver	hay	Positive	quantity of hematopoietic progenitor cells	1.27E-04	138
	Alfalfa				
Liver	hay	Positive	ion homeostasis of cells	1.29E-04	171
	Alfalfa				
Liver	hay	Positive	damage of epithelial tissue	1.29E-04	39
	Alfalfa				
Liver	hay	Positive	phagocytosis	1.29E-04	96
	Alfalfa				
Liver	hay	Positive	apoptosis of fibrosarcoma cell lines	1.29E-04	25
	Alfalfa				
Liver	hay	Positive	experimental autoimmune encephalomyelitis	1.29E-04	84
	Alfalfa				
Liver	hay	Positive	morphogenesis of head	1.29E-04	84
	Alfalfa				
Liver	hay	Positive	quantity of lymphoid organ	1.30E-04	99
	Alfalfa				
Liver	hay	Positive	myelination	1.35E-04	66
	Alfalfa				
Liver	hay	Positive	abnormal morphology of heart ventricle	1.35E-04	60
	Alfalfa				
Liver	hay	Positive	apoptosis of muscle cells	1.37E-04	85
	Alfalfa				
Liver	hay	Positive	differentiation of lymphocytes	1.37E-04	154
	Alfalfa				
Liver	hay	Positive	generation of leukocytes	1.37E-04	56
	Alfalfa				
Liver	hay	Positive	apoptosis of colon cancer cell lines	1.39E-04	79
	Alfalfa				
Liver	hay	Positive	Hypertrophy	1.39E-04	147
	Alfalfa				
Liver	hay	Positive	apoptosis of liver	1.42E-04	55
	Alfalfa				
Liver	hay	Positive	production of protein	1.44E-04	105
Liver	Alfalfa	Positive	cell death of epidermal cells	1.44E-04	35

	hay				
	Alfalfa				
Liver	hay	Positive	morphology of artery	1.48E-04	54
	Alfalfa				
Liver	hay	Positive	quantity of connective tissue cells	1.48E-04	78
	Alfalfa				
Liver	hay	Positive	mass of heart	1.48E-04	48
	Alfalfa				
Liver	hay	Positive	vascularization of body region	1.48E-04	48
	Alfalfa				
Liver	hay	Positive	apoptosis of hepatocytes	1.52E-04	47
	Alfalfa				
Liver	hay	Positive	function of T lymphocytes	1.53E-04	85
	Alfalfa				
Liver	hay	Positive	quantity of cytokine	1.55E-04	83
	Alfalfa				
Liver	hay	Positive	cell movement of prostate cancer cell lines	1.57E-04	45
	Alfalfa				
Liver	hay	Positive	apoptosis of myeloma cell lines	1.58E-04	32
	Alfalfa				
Liver	hay	Positive	apoptosis of neuroblastoma cell lines	1.59E-04	44
	Alfalfa				
Liver	hay	Positive	neovascularization	1.60E-04	56
	Alfalfa				
Liver	hay	Positive	cell death of neuroblastoma cell lines	1.63E-04	65
	Alfalfa				
Liver	hay	Positive	morphology of lymphocytes	1.63E-04	65
	Alfalfa				
Liver	hay	Positive	adhesion of mononuclear leukocytes	1.63E-04	51
	Alfalfa				
Liver	hay	Positive	cell death of breast cancer cell lines	1.63E-04	106
	Alfalfa				
Liver	hay	Positive	growth of embryonic tissue	1.65E-04	89
	Alfalfa				
Liver	hay	Positive	apoptosis of epidermal cells	1.66E-04	33
	Alfalfa				
Liver	hay	Positive	abnormal morphology of nervous system	1.67E-04	218
	Alfalfa				
Liver	hay	Positive	apoptosis of tumor cells	1.68E-04	92
	Alfalfa				
Liver	hay	Positive	concentration of sterol	1.70E-04	98
	Alfalfa				
Liver	hay	Positive	function of phagocytes	1.70E-04	98
Liver	Alfalfa	Positive	quantity of interleukin	1.72E-04	49

	hay				
	Alfalfa				
Liver	hay	Positive	apoptosis of liver cells	1.72E-04	54
	Alfalfa				
Liver	hay	Positive	estrous cycle	1.75E-04	30
	Alfalfa				
Liver	hay	Positive	cell death of muscle	1.76E-04	109
	Alfalfa				
Liver	hay	Positive	cellular infiltration of phagocytes	1.81E-04	60
	Alfalfa				
Liver	hay	Positive	abnormal morphology of interalveolar septa	1.81E-04	19
	Alfalfa				
Liver	hay	Positive	formation of connective tissue cells	1.85E-04	70
	Alfalfa				
Liver	hay	Positive	apoptosis of fibroblasts	1.87E-04	72
	Alfalfa				
Liver	hay	Positive	uterine serous papillary cancer	1.88E-04	76
	Alfalfa				
Liver	hay	Positive	quantity of immunoglobulin	1.88E-04	95
	Alfalfa				
Liver	hay	Positive	apoptosis of B-lymphocyte derived cell lines	1.91E-04	44
	Alfalfa				
Liver	hay	Positive	morphology of genital organ	1.91E-04	132
	Alfalfa				
Liver	hay	Positive	dysgenesis	1.94E-04	165
	Alfalfa				
Liver	hay	Positive	chronic myeloid leukemia	1.94E-04	39
	Alfalfa				
Liver	hay	Positive	uptake of 2-deoxyglucose	1.94E-04	39
	Alfalfa				
Liver	hay	Positive	cytostasis	2.00E-04	91
	Alfalfa				
Liver	hay	Positive	cell movement of macrophages	2.00E-04	86
	Alfalfa				
Liver	hay	Positive	Hypoplasia	2.00E-04	155
	Alfalfa				
Liver	hay	Positive	abnormal morphology of endothelial tissue	2.02E-04	26
	Alfalfa				
Liver	hay	Positive	permeability of epithelial tissue	2.02E-04	26
	Alfalfa				
Liver	hay	Positive	cell death of fibrosarcoma cell lines	2.11E-04	29
	Alfalfa				
Liver	hay	Positive	apoptosis of cortical neurons	2.11E-04	33
Liver	Alfalfa	Positive	abnormal morphology of artery	2.19E-04	52

	hay				
	Alfalfa				
Liver	hay	Positive	cell death of endothelial cells	2.19E-04	67
	Alfalfa				
Liver	hay	Positive	morphology of mononuclear leukocytes	2.19E-04	67
	Alfalfa				
Liver	hay	Positive	quantity of macrophages	2.19E-04	67
	Alfalfa				
Liver	hay	Positive	synthesis of prostaglandin	2.19E-04	59
	Alfalfa				
Liver	hay	Positive	arthritis	2.21E-04	276
	Alfalfa				
Liver	hay	Positive	abnormal morphology of digestive system	2.25E-04	166
	Alfalfa				
Liver	hay	Positive	atrophy of muscle	2.25E-04	51
	Alfalfa				
Liver	hay	Positive	cell movement of epithelial cells	2.25E-04	51
	Alfalfa				
Liver	hay	Positive	hyperkeratosis	2.25E-04	35
	Alfalfa				
Liver	hay	Positive	secretion of molecule	2.25E-04	168
	Alfalfa				
Liver	hay	Negative	cell death	1.06E-20	841
	Alfalfa				
Liver	hay	Negative	necrosis	3.86E-20	672
	Alfalfa				
Liver	hay	Negative	organismal death	4.09E-20	632
	Alfalfa				
Liver	hay	Negative	apoptosis	4.09E-20	686
	Alfalfa				
Liver	hay	Negative	morbidity or mortality	1.39E-19	636
	Alfalfa				
Liver	hay	Negative	malignant solid tumor	5.74E-19	2294
	Alfalfa				
Liver	hay	Negative	cancer	7.38E-19	2318
	Alfalfa				
Liver	hay	Negative	proliferation of cells	1.18E-17	896
	Alfalfa				
Liver	hay	Negative	morphology of cells	2.80E-15	509
	Alfalfa				
Liver	hay	Negative	neoplasia of epithelial tissue	1.75E-14	1918
	Alfalfa				
Liver	hay	Negative	cell death of tumor cell lines	1.86E-14	411
Liver	Alfalfa	Negative	tumorigenesis of tissue	1.86E-14	1946

	hay				
	Alfalfa				
Liver	hay	Negative	epithelial cancer	5.34E-14	1898
	Alfalfa				
Liver	hay	Negative	apoptosis of tumor cell lines	4.24E-13	333
	Alfalfa				
Liver	hay	Negative	organization of cytoplasm	1.07E-12	404
	Alfalfa				
Liver	hay	Negative	organization of cytoskeleton	1.07E-12	373
	Alfalfa				
Liver	hay	Negative	cellular homeostasis	1.34E-12	401
	Alfalfa				
Liver	hay	Negative	digestive organ tumor	1.64E-12	1653
	Alfalfa				
Liver	hay	Negative	digestive system cancer	1.64E-12	1639
	Alfalfa				
Liver	hay	Negative	abdominal neoplasm	2.87E-12	1889
	Alfalfa				
Liver	hay	Negative	cell movement	1.79E-11	528
	Alfalfa				
Liver	hay	Negative	quantity of cells	2.50E-11	449
	Alfalfa				
Liver	hay	Negative	cell death of connective tissue cells	3.36E-11	180
	Alfalfa				
Liver	hay	Negative	abdominal cancer	4.96E-11	1860
	Alfalfa				
Liver	hay	Negative	cell survival	5.11E-11	364
	Alfalfa				
Liver	hay	Negative	quantity of blood cells	2.61E-10	278
	Alfalfa				
Liver	hay	Negative	quantity of leukocytes	2.68E-10	252
	Alfalfa				
Liver	hay	Negative	development of lymphatic system	3.54E-10	114
	Alfalfa				
Liver	hay	Negative	cell viability	3.54E-10	339
	Alfalfa				
Liver	hay	Negative	differentiation of cells	4.13E-10	546
	Alfalfa				
Liver	hay	Negative	transport of molecule	8.41E-10	406
	Alfalfa				
Liver	hay	Negative	migration of cells	1.42E-09	468
	Alfalfa				
Liver	hay	Negative	microtubule dynamics	2.04E-09	309
Liver	Alfalfa	Negative	expression of RNA	3.32E-09	518

	hay				
	Alfalfa				
Liver	hay	Negative	development of leukocytes	3.80E-09	169
	Alfalfa				
Liver	hay	Negative	Growth Failure	4.80E-09	171
	Alfalfa				
Liver	hay	Negative	development of blood cells	4.99E-09	184
	Alfalfa				
Liver	hay	Negative	abnormal morphology of cells	5.11E-09	325
	Alfalfa				
Liver	hay	Negative	development of body trunk	7.43E-09	291
	Alfalfa				
Liver	hay	Negative	quantity of lymphocytes	1.61E-08	195
	Alfalfa				
Liver	hay	Negative	morphology of cardiovascular system	1.61E-08	174
	Alfalfa				
Liver	hay	Negative	Movement Disorders	1.85E-08	276
	Alfalfa				
Liver	hay	Negative	transcription	2.19E-08	480
	Alfalfa				
Liver	hay	Negative	proliferation of hematopoietic progenitor cells	2.89E-08	79
	Alfalfa				
Liver	hay	Negative	quantity of mononuclear leukocytes	3.63E-08	200
	Alfalfa				
Liver	hay	Negative	proliferation of blood cells	3.63E-08	225
	Alfalfa				
Liver	hay	Negative	disorder of basal ganglia	4.36E-08	207
	Alfalfa				
Liver	hay	Negative	perinatal death	4.36E-08	166
	Alfalfa				
Liver	hay	Negative	quantity of connective tissue	4.36E-08	168
	Alfalfa				
Liver	hay	Negative	development of vasculature	4.36E-08	123
	Alfalfa				
Liver	hay	Negative	growth of organism	4.36E-08	223
	Alfalfa				
Liver	hay	Negative	abnormal morphology of thoracic cavity	4.54E-08	164
	Alfalfa				
Liver	hay	Negative	transcription of RNA	4.79E-08	448
	Alfalfa				
Liver	hay	Negative	Viral Infection	5.18E-08	395
	Alfalfa				
Liver	hay	Negative	cell movement of tumor cell lines	5.44E-08	226
Liver	Alfalfa	Negative	development of lymphatic system component	5.81E-08	95

	hay				
	Alfalfa				
Liver	hay	Negative	neuronal cell death	6.02E-08	186
	Alfalfa				
Liver	hay	Negative	proliferation of hematopoietic cells	6.26E-08	81
	Alfalfa				
Liver	hay	Negative	homeostasis of leukocytes	9.38E-08	155
	Alfalfa				
Liver	hay	Negative	abnormal morphology of cardiovascular system	9.55E-08	158
	Alfalfa				
Liver	hay	Negative	growth of connective tissue	1.13E-07	176
	Alfalfa				
Liver	hay	Negative	development of lymphocytes	1.35E-07	154
	Alfalfa				
Liver	hay	Negative	Huntington's Disease	1.39E-07	159
	Alfalfa				
Liver	hay	Negative	dyskinesia	1.43E-07	169
	Alfalfa				
Liver	hay	Negative	proliferation of immune cells	1.50E-07	210
	Alfalfa				
Liver	hay	Negative	abnormal morphology of body cavity	1.57E-07	289
	Alfalfa				
Liver	hay	Negative	vasculogenesis	1.57E-07	197
	Alfalfa				
Liver	hay	Negative	size of body	1.90E-07	223
	Alfalfa				
Liver	hay	Negative	development of hematopoietic system	1.97E-07	78
	Alfalfa				
Liver	hay	Negative	morphology of body cavity	1.98E-07	300
	Alfalfa				
Liver	hay	Negative	degeneration of cells	2.00E-07	102
	Alfalfa				
Liver	hay	Negative	Lymphocyte homeostasis	2.12E-07	151
	Alfalfa				
Liver	hay	Negative	cell death of blood cells	2.30E-07	186
	Alfalfa				
Liver	hay	Negative	proliferation of connective tissue cells	2.70E-07	162
	Alfalfa				
Liver	hay	Negative	cell death of fibroblast cell lines	2.70E-07	122
	Alfalfa				
Liver	hay	Negative	degeneration of nervous system	3.16E-07	87
	Alfalfa				
Liver	hay	Negative	ubiquitination of protein	3.73E-07	98
Liver	Alfalfa	Negative	migration of tumor cell lines	3.95E-07	188

	hay				
	Alfalfa				
Liver	hay	Negative	neurological signs	3.98E-07	175
	Alfalfa				
Liver	hay	Negative	ubiquitination	4.42E-07	99
	Alfalfa				
Liver	hay	Negative	abnormal morphology of epithelial tissue	4.65E-07	119
	Alfalfa				
Liver	hay	Negative	Gastrointestinal Tract Cancer and Tumors	4.76E-07	1129
	Alfalfa				
Liver	hay	Negative	gastrointestinal tract cancer	4.96E-07	1112
	Alfalfa				
Liver	hay	Negative	quantity of T lymphocytes	4.96E-07	147
	Alfalfa				
Liver	hay	Negative	formation of mononuclear leukocytes	5.25E-07	46
	Alfalfa				
Liver	hay	Negative	T cell development	5.49E-07	139
	Alfalfa				
Liver	hay	Negative	neurodegeneration of neurites	5.62E-07	35
	Alfalfa				
Liver	hay	Negative	development of cytoplasm	6.30E-07	129
	Alfalfa				
Liver	hay	Negative	apoptosis of fibroblast cell lines	7.47E-07	96
	Alfalfa				
Liver	hay	Negative	damage of nervous system	7.93E-07	70
	Alfalfa				
Liver	hay	Negative	formation of leukocytes	8.06E-07	53
	Alfalfa				
Liver	hay	Negative	Neurodegeneration	8.95E-07	91
	Alfalfa				
Liver	hay	Negative	chronic myeloid leukemia	9.43E-07	39
	Alfalfa				
Liver	hay	Negative	cell death of immune cells	9.94E-07	175
	Alfalfa				
Liver	hay	Negative	T cell homeostasis	1.05E-06	141
	Alfalfa				
Liver	hay	Negative	cell death of cervical cancer cell lines	1.05E-06	101
	Alfalfa				
Liver	hay	Negative	formation of lymphocytes	1.05E-06	44
	Alfalfa				
Liver	hay	Negative	cellular degradation	1.07E-06	77
	Alfalfa				
Liver	hay	Negative	transcription of DNA	1.08E-06	369
Liver	Alfalfa	Negative	neuromuscular disease	1.08E-06	226

	hay				
	Alfalfa				
Liver	hay	Negative	degeneration of neurons	1.25E-06	73
	Alfalfa				
Liver	hay	Negative	formation of cells	1.34E-06	248
	Alfalfa				
Liver	hay	Negative	morphology of lymph node	1.37E-06	53
	Alfalfa				
Liver	hay	Negative	neonatal death	1.41E-06	122
	Alfalfa				
Liver	hay	Negative	growth of embryo	1.45E-06	131
	Alfalfa				
Liver	hay	Negative	function of cardiovascular system	1.49E-06	105
	Alfalfa				
Liver	hay	Negative	homing of cells	1.59E-06	150
	Alfalfa				
Liver	hay	Negative	development of digestive system	1.85E-06	108
	Alfalfa				
Liver	hay	Negative	angiogenesis	1.89E-06	230
	Alfalfa				
Liver	hay	Negative	colorectal neoplasia	2.17E-06	959
	Alfalfa				
Liver	hay	Negative	abnormal morphology of lymph node	2.23E-06	50
	Alfalfa				
Liver	hay	Negative	function of blood cells	2.39E-06	156
	Alfalfa				
Liver	hay	Negative	homing	2.40E-06	153
	Alfalfa				
Liver	hay	Negative	chemotaxis of cells	2.41E-06	142
	Alfalfa				
Liver	hay	Negative	breast or colorectal cancer	3.04E-06	1085
	Alfalfa				
Liver	hay	Negative	intestinal tumor	3.20E-06	960
	Alfalfa				
Liver	hay	Negative	differentiation of leukocytes	3.75E-06	175
	Alfalfa				
Liver	hay	Negative	neurodegeneration of axons	3.75E-06	32
	Alfalfa				
Liver	hay	Negative	proliferation of mononuclear leukocytes	3.96E-06	190
	Alfalfa				
Liver	hay	Negative	differentiation of blood cells	3.96E-06	214
	Alfalfa				
Liver	hay	Negative	gastrointestinal carcinoma	4.04E-06	994
Liver	Alfalfa	Negative	cell cycle progression	4.37E-06	259

	hay				
	Alfalfa				
Liver	hay	Negative	chemotaxis	4.37E-06	145
	Alfalfa				
Liver	hay	Negative	cell death of epithelial cell lines	4.41E-06	82
	Alfalfa				
Liver	hay	Negative	size of embryo	4.53E-06	100
	Alfalfa				
Liver	hay	Negative	Bleeding	5.42E-06	116
	Alfalfa				
Liver	hay	Negative	autosomal dominant disease	5.53E-06	166
	Alfalfa				
Liver	hay	Negative	mitosis	5.62E-06	133
	Alfalfa				
Liver	hay	Negative	morphology of lymphatic system component	5.70E-06	114
	Alfalfa				
Liver	hay	Negative	colorectal cancer	6.13E-06	942
	Alfalfa				
Liver	hay	Negative	cell spreading	6.36E-06	80
	Alfalfa				
Liver	hay	Negative	apoptosis of epithelial cell lines	6.47E-06	67
	Alfalfa				
Liver	hay	Negative	quantity of hematopoietic cells	6.71E-06	120
	Alfalfa				
Liver	hay	Negative	intestinal cancer	6.75E-06	943
	Alfalfa				
Liver	hay	Negative	formation of cytoskeleton	6.81E-06	104
	Alfalfa				
Liver	hay	Negative	proliferation of lymphocytes	7.04E-06	186
	Alfalfa				
Liver	hay	Negative	quantity of metal	7.04E-06	133
	Alfalfa				
Liver	hay	Negative	cell movement of leukocytes	7.24E-06	195
	Alfalfa				
Liver	hay	Negative	Thrombosis	7.86E-06	53
	Alfalfa				
Liver	hay	Negative	proliferation of fibroblasts	8.76E-06	98
	Alfalfa				
Liver	hay	Negative	quantity of lymphoid organ	8.99E-06	87
	Alfalfa				
Liver	hay	Negative	formation of cellular protrusions	8.99E-06	225
	Alfalfa				
Liver	hay	Negative	abnormal morphology of lymphoid organ	9.07E-06	104
Liver	Alfalfa	Negative	quantity of hematopoietic progenitor cells	9.30E-06	119

	hay				
	Alfalfa				
Liver	hay	Negative	morphology of bone	9.40E-06	121
	Alfalfa				
Liver	hay	Negative	cell viability of tumor cell lines	9.51E-06	197
	Alfalfa				
Liver	hay	Negative	cellular infiltration by leukocytes	1.03E-05	106
	Alfalfa				
Liver	hay	Negative	colon cancer	1.15E-05	818
	Alfalfa				
Liver	hay	Negative	formation of T lymphocytes	1.15E-05	39
	Alfalfa				
Liver	hay	Negative	quantity of antigen presenting cells	1.19E-05	79
	Alfalfa				
Liver	hay	Negative	growth of epithelial tissue	1.19E-05	174
	Alfalfa				
Liver	hay	Negative	Hypertrophy	1.24E-05	126
	Alfalfa				
Liver	hay	Negative	formation of lymphoid organ	1.26E-05	76
	Alfalfa				
Liver	hay	Negative	colon tumor	1.28E-05	822
	Alfalfa				
Liver	hay	Negative	development of epithelial tissue	1.32E-05	136
	Alfalfa				
Liver	hay	Negative	cytopenia	1.34E-05	84
	Alfalfa				
Liver	hay	Negative	abnormal morphology of embryonic tissue	1.50E-05	143
	Alfalfa				
Liver	hay	Negative	phosphorylation of protein	1.52E-05	186
	Alfalfa				
Liver	hay	Negative	growth of lymphatic system component	1.53E-05	58
	Alfalfa				
Liver	hay	Negative	concentration of lipid	1.55E-05	203
	Alfalfa				
Liver	hay	Negative	cognition	1.55E-05	121
	Alfalfa				
Liver	hay	Negative	morphology of axial skeleton	1.64E-05	60
	Alfalfa				
Liver	hay	Negative	adenocarcinoma	1.68E-05	1387
	Alfalfa				
Liver	hay	Negative	morphology of lymphoid organ	1.79E-05	106
	Alfalfa				
Liver	hay	Negative	cell movement of blood cells	1.79E-05	217
Liver	Alfalfa	Negative	function of leukocytes	1.90E-05	140

	hay				
	Alfalfa				
Liver	hay	Negative	formation of lymphatic system component	1.90E-05	82
	Alfalfa				
Liver	hay	Negative	formation of blood cells	1.95E-05	59
	Alfalfa				
Liver	hay	Negative	cellular infiltration of cells	1.96E-05	107
	Alfalfa				
Liver	hay	Negative	maturation of cells	1.97E-05	121
	Alfalfa				
Liver	hay	Negative	morphology of connective tissue	1.97E-05	122
	Alfalfa				
Liver	hay	Negative	differentiation of connective tissue	1.97E-05	184
	Alfalfa				
Liver	hay	Negative	quantity of thymocytes	2.01E-05	67
	Alfalfa				
Liver	hay	Negative	tumorigenesis of intestine	2.06E-05	819
	Alfalfa				
Liver	hay	Negative	migration of blood cells	2.12E-05	216
	Alfalfa				
Liver	hay	Negative	damage of nervous tissue	2.12E-05	32
	Alfalfa				
Liver	hay	Negative	infection of cells	2.21E-05	199
	Alfalfa				
Liver	hay	Negative	quantity of lymphatic system component	2.38E-05	102
	Alfalfa				
Liver	hay	Negative	Edema	2.48E-05	94
	Alfalfa				
Liver	hay	Negative	proliferation of myeloid cells	2.48E-05	39
	Alfalfa				
Liver	hay	Negative	cell movement of myeloid cells	2.48E-05	140
	Alfalfa				
Liver	hay	Negative	abnormal morphology of respiratory system	2.58E-05	85
	Alfalfa				
Liver	hay	Negative	gastrointestinal adenocarcinoma	2.62E-05	931
	Alfalfa				
Liver	hay	Negative	phosphorylation of L-amino acid	2.62E-05	64
	Alfalfa				
Liver	hay	Negative	morphology of respiratory system	2.64E-05	86
	Alfalfa				
Liver	hay	Negative	leukocyte migration	2.68E-05	215
	Alfalfa				
Liver	hay	Negative	autophagy	2.77E-05	101
Liver	Alfalfa	Negative	quantity of metal ion	2.88E-05	117

	hay				
	Alfalfa				
Liver	hay	Negative	damage of neurons	2.98E-05	31
	Alfalfa				
Liver	hay	Negative	development of connective tissue	2.98E-05	100
	Alfalfa				
Liver	hay	Negative	learning	3.05E-05	111
	Alfalfa				
Liver	hay	Negative	development of hematopoietic progenitor cells	3.06E-05	57
	Alfalfa				
Liver	hay	Negative	activation of cells	3.17E-05	238
	Alfalfa				
Liver	hay	Negative	differentiation of connective tissue cells	3.17E-05	163
	Alfalfa				
Liver	hay	Negative	leukopenia	3.22E-05	42
	Alfalfa				
Liver	hay	Negative	morphology of vertebral column	3.28E-05	45
	Alfalfa				
Liver	hay	Negative	peripheral vascular disease	3.28E-05	102
	Alfalfa				
Liver	hay	Negative	proliferation of tumor cell lines	3.28E-05	360
	Alfalfa				
Liver	hay	Negative	abdominal adenocarcinoma	3.28E-05	1263
	Alfalfa				
Liver	hay	Negative	seizure disorder	3.28E-05	123
	Alfalfa				
Liver	hay	Negative	development of hematopoietic cells	3.28E-05	58
	Alfalfa				
Liver	hay	Negative	cell movement of muscle cells	3.28E-05	54
	Alfalfa				
Liver	hay	Negative	metastatic colorectal cancer	3.42E-05	57
	Alfalfa				
Liver	hay	Negative	formation of lung	3.47E-05	83
	Alfalfa				
Liver	hay	Negative	infection by Retroviridae	3.53E-05	180
	Alfalfa				
Liver	hay	Negative	development of lymphatic system cells	3.64E-05	36
	Alfalfa				
Liver	hay	Negative	fibrogenesis	3.76E-05	109
	Alfalfa				
Liver	hay	Negative	abnormal morphology of axial skeleton	3.93E-05	57
	Alfalfa				
Liver	hay	Negative	damage of central nervous system	4.08E-05	56
Liver	Alfalfa	Negative	development of cardiovascular tissue	4.08E-05	99

	hay				
	Alfalfa				
Liver	hay	Negative	colorectal carcinoma	4.08E-05	812
	Alfalfa				
Liver	hay	Negative	metabolism of protein	4.18E-05	236
	Alfalfa				
Liver	hay	Negative	apoptosis of cervical cancer cell lines	4.42E-05	78
	Alfalfa				
Liver	hay	Negative	protein kinase cascade	4.48E-05	111
	Alfalfa				
Liver	hay	Negative	endothelial cell development	4.64E-05	95
	Alfalfa				
Liver	hay	Negative	abnormal morphology of membrane tissue	4.80E-05	51
	Alfalfa				
Liver	hay	Negative	connective or soft tissue tumor	4.90E-05	176
	Alfalfa				
Liver	hay	Negative	formation of thymus gland	5.04E-05	49
	Alfalfa				
Liver	hay	Negative	infection by RNA virus	5.11E-05	212
	Alfalfa				
Liver	hay	Negative	hypertrophy of heart	5.21E-05	91
	Alfalfa				
Liver	hay	Negative	Inflammatory Bowel Disease	5.27E-05	72
	Alfalfa				
Liver	hay	Negative	respiratory system development	5.27E-05	92
	Alfalfa				
Liver	hay	Negative	abnormal morphology of abdomen	5.37E-05	214
	Alfalfa				
Liver	hay	Negative	apoptosis of connective tissue cells	5.37E-05	81
	Alfalfa				
Liver	hay	Negative	cell surface receptor linked signal transduction	5.37E-05	81
	Alfalfa				
Liver	hay	Negative	quantity of lymphatic system cells	5.56E-05	76
	Alfalfa				
Liver	hay	Negative	apoptosis of pheochromocytoma cell lines	5.69E-05	31
	Alfalfa				
Liver	hay	Negative	morphology of skeleton	5.77E-05	77
	Alfalfa				
Liver	hay	Negative	abnormal morphology of body wall	5.86E-05	34
	Alfalfa				
Liver	hay	Negative	necrosis of epithelial tissue	6.01E-05	149
	Alfalfa				
Liver	hay	Negative	development of phagocytes	6.33E-05	28
Liver	Alfalfa	Negative	secretory pathway	6.66E-05	57

	hay				
	Alfalfa				
Liver	hay	Negative	cellular infiltration	6.68E-05	114
	Alfalfa				
Liver	hay	Negative	cell death of pheochromocytoma cell lines	7.07E-05	38
	Alfalfa				
Liver	hay	Negative	development of myeloid cells	7.13E-05	31
	Alfalfa				
Liver	hay	Negative	metastatic gastrointestinal tract cancer	7.13E-05	63
	Alfalfa				
Liver	hay	Negative	cell death of T lymphocytes	7.35E-05	85
	Alfalfa				
Liver	hay	Negative	development of endothelial tissue	7.38E-05	97
	Alfalfa				
Liver	hay	Negative	hemorrhagic disease	7.40E-05	70
	Alfalfa				
Liver	hay	Negative	proliferation of T lymphocytes	7.46E-05	152
	Alfalfa				
Liver	hay	Negative	long-term potentiation	7.46E-05	68
	Alfalfa				
Liver	hay	Negative	cell death of fibroblasts	7.50E-05	73
	Alfalfa				
Liver	hay	Negative	apoptosis of blood cells	7.77E-05	127
	Alfalfa				
Liver	hay	Negative	formation of skin	7.99E-05	97
	Alfalfa				
Liver	hay	Negative	Hypoplasia	8.22E-05	129
	Alfalfa				
Liver	hay	Negative	quantity of B lymphocytes	8.23E-05	92
	Alfalfa				
Liver	hay	Negative	cell death of mononuclear leukocytes	8.32E-05	104
	Alfalfa				
Liver	hay	Negative	memory	8.51E-05	71
	Alfalfa				
Liver	hay	Negative	survival of organism	8.51E-05	174
	Alfalfa				
Liver	hay	Negative	generation of lymphocytes	8.51E-05	43
	Alfalfa				
Liver	hay	Negative	morphology of vertebrae	8.51E-05	42
	Alfalfa				
Liver	hay	Negative	cell death of hepatoma cell lines	8.51E-05	50
	Alfalfa				
Liver	hay	Negative	formation of thymocytes	8.58E-05	34
Liver	Alfalfa	Negative	damage of brain	8.75E-05	53

	hay				
	Alfalfa				
Liver	hay	Negative	cell death of epithelial cells	8.80E-05	127
	Alfalfa				
Liver	hay	Negative	abnormal morphology of bone	8.87E-05	113
	Alfalfa				
Liver	hay	Negative	synthesis of reactive oxygen species	9.09E-05	123
	Alfalfa				
Liver	hay	Negative	colorectal adenocarcinoma	9.09E-05	786
	Alfalfa				
Liver	hay	Negative	quantity of connective tissue cells	9.19E-05	66
	Alfalfa				
Liver	hay	Negative	proliferation of neuronal cells	9.19E-05	145
	Alfalfa				
Liver	hay	Negative	differentiation of lymphocytes	9.37E-05	127
	Alfalfa				
Liver	hay	Negative	cell death of lymphocytes	9.43E-05	101
	Alfalfa				
Liver	hay	Negative	development of gastrointestinal tract	9.65E-05	72
	Alfalfa				
Liver	hay	Negative	seizures	1.04E-04	104
	Alfalfa				
Liver	hay	Negative	quantity of Ca ²⁺	1.04E-04	106
	Alfalfa				
Liver	hay	Negative	abnormal morphology of skeleton	1.04E-04	74
	Alfalfa				
Liver	hay	Negative	metabolism of reactive oxygen species	1.18E-04	127
	Alfalfa				
Liver	hay	Negative	morphology of mouth	1.19E-04	41
	Alfalfa				
Liver	hay	Negative	synthesis of nitric oxide	1.21E-04	75
	Alfalfa				
Liver	hay	Negative	invasion of cells	1.21E-04	210
	Alfalfa				
Liver	hay	Negative	dysgenesis	1.21E-04	136
	Alfalfa				
Liver	hay	Negative	malignant connective or soft tissue neoplasm	1.21E-04	112
	Alfalfa		metastatic malignant neoplasm of digestive		
Liver	hay	Negative	system	1.23E-04	65
	Alfalfa				
Liver	hay	Negative	HIV infection	1.23E-04	175
	Alfalfa				
Liver	hay	Negative	phosphorylation of L-tyrosine	1.23E-04	51
Liver	Alfalfa	Negative	biosynthesis of nucleoside triphosphate	1.25E-04	34

	hay				
	Alfalfa				
Liver	hay	Negative	growth of lymphoid organ	1.28E-04	50
	Alfalfa				
Liver	hay	Negative	morphology of vessel	1.29E-04	82
	Alfalfa				
Liver	hay	Negative	apoptosis of hepatoma cell lines	1.29E-04	45
	Alfalfa				
Liver	hay	Negative	morphology of digestive system	1.31E-04	143
	Alfalfa				
Liver	hay	Negative	cell movement of phagocytes	1.32E-04	138
	Alfalfa				
Liver	hay	Negative	accumulation of lipid	1.35E-04	80
	Alfalfa				
Liver	hay	Negative	metabolism of nucleoside triphosphate	1.35E-04	42
	Alfalfa				
Liver	hay	Negative	hypertrophy of tissue	1.35E-04	70
	Alfalfa				
Liver	hay	Negative	abnormal morphology of vertebrae	1.35E-04	41
	Alfalfa				
Liver	hay	Negative	congenital anomaly of musculoskeletal system	1.35E-04	180
	Alfalfa				
Liver	hay	Negative	oral cancer	1.36E-04	63
	Alfalfa				
Liver	hay	Negative	cell viability of lymphocytes	1.38E-04	54
	Alfalfa				
Liver	hay	Negative	formation of filaments	1.40E-04	103
	Alfalfa				
Liver	hay	Negative	development of antigen presenting cells	1.43E-04	24
	Alfalfa				
Liver	hay	Negative	midline defect	1.44E-04	72
	Alfalfa				
Liver	hay	Negative	cardiogenesis	1.51E-04	120
	Alfalfa				
Liver	hay	Negative	morphology of blood cells	1.51E-04	107
	Alfalfa				
Liver	hay	Negative	skin abnormality	1.52E-04	63
	Alfalfa				
Liver	hay	Negative	proliferation of embryonic cells	1.53E-04	68
	Alfalfa				
Liver	hay	Negative	migration of muscle cells	1.54E-04	48
	Alfalfa				
Liver	hay	Negative	abnormal morphology of vertebral column	1.55E-04	42
Liver	Alfalfa	Negative	quantity of epithelial tissue	1.57E-04	51

	hay				
	Alfalfa				
Liver	hay	Negative	development of bone marrow	1.58E-04	38
	Alfalfa				
Liver	hay	Negative	growth of muscle tissue	1.62E-04	97
	Alfalfa				
Liver	hay	Negative	ovarian cancer	1.62E-04	174
	Alfalfa				
Liver	hay	Negative	binding of DNA	1.62E-04	131
	Alfalfa				
Liver	hay	Negative	apoptosis of breast cancer cell lines	1.64E-04	77
	Alfalfa				
Liver	hay	Negative	chronic leukemia	1.64E-04	117
	Alfalfa				
Liver	hay	Negative	hyperplasia of tissue	1.66E-04	55
	Alfalfa				
Liver	hay	Negative	generation of cells	1.68E-04	71
	Alfalfa				
Liver	hay	Negative	abnormal morphology of digestive system	1.86E-04	136
	Alfalfa				
Liver	hay	Negative	cell viability of connective tissue cells	1.86E-04	40
	Alfalfa				
Liver	hay	Negative	recruitment of antigen presenting cells	1.86E-04	37
	Alfalfa				
Liver	hay	Negative	chronic myeloproliferative disorder	1.89E-04	46
	Alfalfa				
Liver	hay	Negative	oral cavity carcinoma	1.89E-04	55
	Alfalfa				
Liver	hay	Negative	cell movement of fibroblasts	1.94E-04	52
	Alfalfa				
Liver	hay	Negative	shape change of tumor cell lines	1.94E-04	45
	Alfalfa				
Liver	hay	Negative	hypertrophy of cells	1.99E-04	77
	Alfalfa				
Liver	hay	Negative	potentiation of synapse	1.99E-04	44
	Alfalfa				
Liver	hay	Negative	differentiation of mononuclear leukocytes	1.99E-04	135
	Alfalfa				
Liver	hay	Negative	synthesis of lipid	2.01E-04	174
	Alfalfa				
Liver	hay	Negative	morphology of heart	2.04E-04	104
	Alfalfa				
Liver	hay	Negative	proliferation of muscle cells	2.04E-04	96
Liver	Alfalfa	Negative	metabolism of carbohydrate	2.11E-04	153

	hay				
	Alfalfa				
Liver	hay	Negative	proliferation of smooth muscle cells	2.13E-04	76
	Alfalfa				
Liver	hay	Negative	relapsed leukemia	2.13E-04	22
	Alfalfa				
Liver	hay	Negative	small GTPase mediated signal transduction	2.18E-04	52
	Alfalfa				
Liver	hay	Negative	proliferation of lymphatic system cells	2.27E-04	56
	Alfalfa				
Liver	hay	Negative	morphology of nervous system	2.29E-04	189
	Alfalfa				
Liver	hay	Negative	cell death of breast cancer cell lines	2.30E-04	87
	Alfalfa				
Liver	hay	Negative	quantity of phagocytes	2.33E-04	108
	Alfalfa				
Liver	hay	Negative	cell movement of connective tissue cells	2.37E-04	61
	Alfalfa				
Liver	hay	Negative	activation of DNA endogenous promoter	2.46E-04	281
	Alfalfa				
Liver	hay	Negative	recruitment of macrophages	2.47E-04	33
	Alfalfa				
Liver	hay	Negative	Ovarian Cancer and Tumors	2.51E-04	183
	Alfalfa				
Liver	hay	Negative	serous neoplasm	2.51E-04	150
	Alfalfa				
Liver	hay	Negative	mesoderm development	2.51E-04	34
	Alfalfa				
Liver	hay	Negative	abdominal carcinoma	2.57E-04	1268
	Alfalfa				
Liver	hay	Negative	quantity of myeloid cells	2.57E-04	92
	Alfalfa				
Liver	hay	Negative	migration of connective tissue cells	2.59E-04	51
	Alfalfa				
Liver	hay	Negative	tumorigenesis of gonad	2.59E-04	194
	Alfalfa				
Liver	hay	Negative	abnormal morphology of enlarged lymph node	2.63E-04	30
	Alfalfa				
Liver	hay	Negative	cell viability of mononuclear leukocytes	2.68E-04	55
	Alfalfa				
Liver	hay	Negative	cell transformation	2.69E-04	116
	Alfalfa				
Liver	hay	Negative	oral squamous cell carcinoma	2.69E-04	50
Liver	Alfalfa	Negative	quantity of reactive oxygen species	2.69E-04	50

	hay				
	Alfalfa				
Liver	hay	Negative	expression of protein	2.71E-04	88
	Alfalfa				
Liver	hay	Negative	growth of yeast	2.72E-04	31
	Alfalfa				
Liver	hay	Negative	cell movement of macrophages	2.72E-04	71
	Alfalfa				
Liver	hay	Negative	transformation of fibroblast cell lines	2.86E-04	69
	Alfalfa				
Liver	hay	Negative	growth of embryonic tissue	2.88E-04	73
	Alfalfa				
Liver	hay	Negative	attachment of cells	2.89E-04	40
	Alfalfa				
Liver	hay	Negative	apoptosis of liver cells	2.90E-04	45
	Alfalfa				
Liver	hay	Negative	sarcoma	2.91E-04	105
	Alfalfa				
Liver	hay	Negative	generation of T lymphocytes	2.96E-04	35
	Alfalfa				
Liver	hay	Negative	hyperesthesia	2.96E-04	35
	Alfalfa				
Liver	hay	Negative	behavior	2.96E-04	233
	Alfalfa				
Liver	hay	Negative	apoptosis of B-lymphocyte derived cell lines	2.96E-04	37
	Alfalfa				
Liver	hay	Negative	proliferation of bone marrow cells	2.96E-04	36
	Alfalfa				
Liver	hay	Negative	differentiation of T lymphocytes	2.96E-04	97
	Alfalfa				
Liver	hay	Negative	development of macrophages	3.01E-04	16
	Alfalfa				
Liver	hay	Negative	generation of blood cells	3.03E-04	47
	Alfalfa				
Liver	hay	Negative	long-term potentiation of synapse	3.05E-04	43
	Alfalfa				
Liver	hay	Negative	abnormal morphology of nervous system	3.11E-04	175
	Alfalfa				
Liver	hay	Negative	benign neoplasia	3.13E-04	219
	Alfalfa				
Liver	hay	Negative	cell movement of smooth muscle cells	3.13E-04	46
	Alfalfa				
Liver	hay	Negative	recurrent cancer	3.13E-04	46
Liver	Alfalfa	Negative	formation of muscle	3.14E-04	101

	hay				
	Alfalfa				
Liver	hay	Negative	cell death of gonadal cell lines	3.26E-04	25
	Alfalfa				
Liver	hay	Negative	hyperplasia of blood cells	3.26E-04	25
	Alfalfa				
Liver	hay	Negative	proliferation of fibroblast cell lines	3.26E-04	107
	Alfalfa				
Liver	hay	Negative	transactivation	3.39E-04	142
	Alfalfa				
Liver	hay	Negative	cell death of B-lymphocyte derived cell lines	3.40E-04	38
	Alfalfa				
Liver	hay	Negative	quantity of bone	3.45E-04	66
	Alfalfa				
Liver	hay	Negative	B-cell leukemia	3.46E-04	35
	Alfalfa				
Liver	hay	Negative	cell death of liver cells	3.47E-04	54
	Alfalfa				
Liver	hay	Negative	proliferation of endothelial cells	3.50E-04	81
	Alfalfa				
Liver	hay	Negative	generation of leukocytes	3.57E-04	46
	Alfalfa				
Liver	hay	Negative	refractory malignant tumor	3.58E-04	29
	Alfalfa				
Liver	hay	Negative	synthesis of protein	3.59E-04	112
	Alfalfa				
Liver	hay	Negative	colon carcinoma	3.66E-04	758
	Alfalfa				
Liver	hay	Negative	synthesis of carbohydrate	3.77E-04	107
	Alfalfa				
Liver	hay	Negative	advanced malignant tumor	3.79E-04	201
	Alfalfa				
Liver	hay	Negative	autophagy of cells	3.83E-04	70
	Alfalfa				
Liver	hay	Negative	hypoplasia of thorax	3.87E-04	52
	Alfalfa				
Liver	hay	Negative	morphology of lung	3.87E-04	52
	Alfalfa				
Liver	hay	Negative	aggregation of cells	3.90E-04	84
	Alfalfa				
Liver	hay	Negative	metabolism of nucleotide	3.92E-04	110
	Alfalfa				
Liver	hay	Negative	quantity of double-positive thymocyte	4.06E-04	34
Liver	Alfalfa	Negative	quantity of muscle cells	4.06E-04	35

	hay				
	Alfalfa				
Liver	hay	Negative	morphology of blood vessel	4.15E-04	74
	Alfalfa				
Liver	hay	Negative	gonadal tumor	4.23E-04	195
	Alfalfa				
Liver	hay	Negative	function of muscle	4.34E-04	89
	Alfalfa				
Liver	hay	Negative	generation of reactive oxygen species	4.34E-04	56
	Alfalfa				
Liver	hay	Negative	cell death of sarcoma cell lines	4.35E-04	61
	Alfalfa				
Liver	hay	Negative	apoptosis of retinal cells	4.36E-04	18
	Alfalfa				
Liver	hay	Negative	function of heart	4.52E-04	62
	Alfalfa				
Liver	hay	Negative	quantity of muscle	4.62E-04	38
	Alfalfa				
Liver	hay	Negative	quantity of macrophages	4.62E-04	55
	Alfalfa				
Liver	hay	Negative	morphology of lymphocytes	4.63E-04	53
	Alfalfa				
Liver	hay	Negative	abnormal morphology of heart	4.63E-04	97
	Alfalfa				
Liver	hay	Negative	ulcerative colitis	4.78E-04	33
	Alfalfa				
Liver	hay	Negative	secretion of molecule	4.91E-04	135
	Alfalfa				
Liver	hay	Negative	migration of fibroblasts	4.94E-04	41
	Alfalfa				
Liver	hay	Negative	infection by HIV-1	5.10E-04	148
	Alfalfa				
Liver	hay	Negative	abnormal morphology of spleen	5.11E-04	70
	Alfalfa				
Liver	hay	Negative	abnormal morphology of head	5.42E-04	197
	Alfalfa		abnormal morphology of mononuclear		
Liver	hay	Negative	leukocytes	5.48E-04	48
	Alfalfa				
Liver	hay	Negative	hypoplasia of organ	5.57E-04	111
	Alfalfa				
Liver	hay	Negative	exocytosis	5.58E-04	52
	Alfalfa				
Liver	hay	Negative	biosynthesis of purine ribonucleotide	5.60E-04	31
Liver	Alfalfa	Negative	peripheral arterial disease	5.73E-04	57

	hay				
	Alfalfa				
Liver	hay	Negative	quantity of bone marrow cells	5.76E-04	47
	Alfalfa				
Liver	hay	Negative	activation of blood cells	6.00E-04	178
	Alfalfa				
Liver	hay	Negative	transport of metal	6.02E-04	85
	Alfalfa				
Liver	hay	Negative	cell death of carcinoma cell lines	6.03E-04	74
	Alfalfa				
Liver	hay	Negative	growth of lesion	6.07E-04	189
	Alfalfa				
Liver	hay	Negative	development of body axis	6.13E-04	244
	Alfalfa				
Liver	hay	Negative	Dermatitis	6.15E-04	108
	Alfalfa				
Liver	hay	Negative	abnormal morphology of rib cage	6.16E-04	28
	Alfalfa				
Liver	hay	Negative	morphology of head	6.16E-04	206
	Alfalfa				
Liver	hay	Negative	response of mononuclear leukocytes	6.16E-04	62
	Alfalfa				
Liver	hay	Negative	colon adenocarcinoma	6.18E-04	741
	Alfalfa				
Liver	hay	Negative	abnormal morphology of lung	6.18E-04	50
	Alfalfa				
Liver	hay	Negative	fibrosis of heart	6.18E-04	50
	Alfalfa				
Liver	hay	Negative	degeneration of central nervous system	6.18E-04	38
	Alfalfa				
Liver	hay	Negative	cell death of brain cells	6.21E-04	71
	Alfalfa				
Liver	hay	Negative	proliferation of tumor cells	6.26E-04	116
	Alfalfa				
Liver	hay	Negative	cellular infiltration by granulocytes	6.26E-04	57
	Alfalfa				
Liver	hay	Negative	formation of hematopoietic progenitor cells	6.30E-04	37
	Alfalfa		metabolism of nucleic acid component or		
Liver	hay	Negative	derivative	6.33E-04	127
	Alfalfa				
Liver	hay	Negative	inflammation of intestine	6.36E-04	73
	Alfalfa				
Liver	hay	Negative	muscular hypertrophy	6.36E-04	55
Liver	Alfalfa	Negative	abnormal morphology of lymphocytes	6.36E-04	47

	hay				
	Alfalfa				
Liver	hay	Negative	abnormal morphology of rib	6.37E-04	23
	Alfalfa				
Liver	hay	Negative	cartilage development	6.40E-04	41
	Alfalfa				
Liver	hay	Negative	apoptosis of leukocytes	6.44E-04	113
	Alfalfa				
Liver	hay	Negative	export of molecule	6.55E-04	76
	Alfalfa				
Liver	hay	Negative	development of sensory organ	6.62E-04	137
	Alfalfa				
Liver	hay	Negative	central nervous system tumor	6.64E-04	214
	Alfalfa				
Liver	hay	Negative	aggregation of blood platelets	6.82E-04	52
	Alfalfa				
Liver	hay	Negative	influx of inorganic cation	6.82E-04	52
	Alfalfa				
Liver	hay	Negative	concentration of phospholipid	6.83E-04	50
	Alfalfa				
Liver	hay	Negative	Organ Degeneration	6.94E-04	121
	Alfalfa				
Liver	hay	Negative	morphology of rib	7.02E-04	24
	Alfalfa				
Liver	hay	Negative	fatty acid metabolism	7.02E-04	145
	Alfalfa				
Liver	hay	Negative	apoptosis of hepatocytes	7.02E-04	38
	Alfalfa				
Liver	hay	Negative	cell death of brain	7.02E-04	75
	Alfalfa				
Liver	hay	Negative	abnormal morphology of blood vessel	7.07E-04	69
	Alfalfa				
Liver	hay	Negative	dilation of heart ventricle	7.28E-04	19
	Alfalfa				
Liver	hay	Negative	growth of tumor	7.31E-04	188
	Alfalfa				
Liver	hay	Negative	head and neck carcinoma	7.36E-04	117
	Alfalfa				
Liver	hay	Negative	cell viability of blood cells	7.62E-04	74
	Alfalfa				
Liver	hay	Negative	cell death of gonadal cells	7.67E-04	50
	Alfalfa				
Liver	hay	Negative	cytolysis	7.94E-04	70
Liver	Alfalfa	Negative	cell death of leukemia cell lines	8.00E-04	81

	hay				
	Alfalfa				
Liver	hay	Negative	cell movement of antigen presenting cells	8.00E-04	88
	Alfalfa				
Liver	hay	Negative	granulation tissue	8.04E-04	15
	Alfalfa				
Liver	hay	Negative	morphology of mononuclear leukocytes	8.44E-04	54
	Alfalfa				
Liver	hay	Negative	morphology of cardiovascular tissue	8.48E-04	27
	Alfalfa				
Liver	hay	Negative	synthesis of nucleotide	8.58E-04	91
	Alfalfa				
Liver	hay	Negative	development of bone marrow cells	8.80E-04	28
	Alfalfa				
Liver	hay	Negative	thrombosis of vein	8.80E-04	20
	Alfalfa				
Liver	hay	Negative	keratosis	8.82E-04	35
	Alfalfa				
Liver	hay	Negative	apoptosis of T lymphocytes	8.90E-04	72
	Alfalfa				
Liver	hay	Negative	morphology of secondary lymphoid organ	8.90E-04	72
	Alfalfa				
Liver	hay	Negative	secondary neoplasm of digestive system	8.90E-04	66
	Alfalfa				
Liver	hay	Negative	formation of eye	8.97E-04	108
	Alfalfa				
Liver	hay	Negative	hyperplasia of leukocytes	8.97E-04	22
	Alfalfa				
Liver	hay	Negative	colony formation of cells	9.05E-04	120
	Alfalfa				
Liver	hay	Negative	apoptosis of heart cells	9.05E-04	51
	Alfalfa				
Liver	hay	Negative	expansion of cells	9.24E-04	77
	Alfalfa				
Liver	hay	Negative	anemia	9.31E-04	87
	Alfalfa				
Liver	hay	Negative	apoptosis of lymphocytes	9.31E-04	87
	Alfalfa				
Liver	hay	Negative	apoptosis of eye cells	9.52E-04	19
	Alfalfa				
Liver	hay	Negative	proliferation of epithelial cells	9.63E-04	120
	Alfalfa				
Liver	hay	Negative	neurotransmission	9.63E-04	102
Liver	Alfalfa	Negative	proliferation of dermal cells	9.65E-04	48

	hay				
	Alfalfa				
Liver	hay	Negative	necrosis of liver	9.83E-04	62
	Alfalfa				
Liver	hay	Negative	growth of plasma membrane projections	9.98E-04	114
	Alfalfa				
Liver	hay	Negative	cell death of kidney cell lines	1.00E-03	77
	Alfalfa				
Liver	hay	Negative	metastasis	1.02E-03	179
	Alfalfa				
Liver	hay	Negative	cell death of cerebral cortex cells	1.03E-03	60
	Alfalfa				
Liver	hay	Negative	Budd-Chiari syndrome	1.03E-03	11
	Alfalfa				
Liver	hay	Negative	apoptosis of neurons	1.03E-03	107
	Alfalfa				
Liver	hay	Negative	growth of thymus gland	1.06E-03	29
	Alfalfa				
Liver	hay	Negative	congenital malformation of skeleton	1.08E-03	104
	Alfalfa				
Liver	hay	Negative	proliferation of epidermal cells	1.08E-03	46
	Alfalfa				
Liver	hay	Negative	apoptosis of fibrosarcoma cell lines	1.12E-03	20
	Alfalfa				
Liver	hay	Negative	graft-vs-host disease	1.12E-03	16
	Alfalfa				
Liver	hay	Negative	I-kappaB kinase/NF-kappaB cascade	1.16E-03	47
	Alfalfa				
Liver	hay	Negative	apoptosis of mononuclear leukocytes	1.17E-03	89
	Alfalfa				
Liver	hay	Negative	apoptosis of neuroblastoma cell lines	1.19E-03	35
	Alfalfa				
Liver	hay	Negative	invasion of tissue	1.19E-03	52
	Alfalfa				
Liver	hay	Negative	dephosphorylation of protein	1.22E-03	50
	Alfalfa				
Liver	hay	Negative	size of animal	1.23E-03	48
	Alfalfa				
Liver	hay	Negative	vascularization of body region	1.25E-03	38
	Alfalfa				
Liver	hay	Negative	migration of smooth muscle cells	1.25E-03	41
	Alfalfa				
Liver	hay	Negative	cell death of central nervous system cells	1.28E-03	74
Liver	Alfalfa	Negative	function of lymphocytes	1.28E-03	85

	hay				
	Alfalfa				
Liver	hay	Negative	apoptosis of fibroblasts	1.28E-03	57
	Alfalfa				
Liver	hay	Negative	outgrowth of cells	1.29E-03	106
	Alfalfa				
Liver	hay	Negative	adult leukemia	1.30E-03	12
	Alfalfa				
Liver	hay	Negative	apoptosis of osteoclasts	1.30E-03	12
	Rice				
Liver	straw	Positive	proliferation of cells	2.10E-29	1198
	Rice				
Liver	straw	Positive	cell death	7.03E-28	1091
	Rice				
Liver	straw	Positive	malignant solid tumor	5.07E-25	2994
	Rice				
Liver	straw	Positive	cancer	2.48E-24	3023
	Rice				
Liver	straw	Positive	necrosis	1.31E-22	850
	Rice				
Liver	straw	Positive	organization of cytoplasm	6.17E-22	546
	Rice				
Liver	straw	Positive	transport of molecule	1.39E-21	568
	Rice				
Liver	straw	Positive	cell movement	3.91E-21	716
	Rice				
Liver	straw	Positive	morphology of cells	4.18E-21	663
	Rice				
Liver	straw	Positive	apoptosis	7.30E-21	860
	Rice				
Liver	straw	Positive	organismal death	7.28E-20	785
	Rice				
Liver	straw	Positive	morbidity or mortality	1.87E-19	792
	Rice				
Liver	straw	Positive	cell survival	3.50E-18	488
	Rice				
Liver	straw	Positive	organization of cytoskeleton	7.97E-18	487
	Rice				
Liver	straw	Positive	cell viability	1.22E-17	458
	Rice				
Liver	straw	Positive	migration of cells	4.82E-17	631
	Rice				
Liver	straw	Positive	cellular homeostasis	8.29E-16	515
Liver	Rice	Positive	differentiation of cells	2.09E-15	721

	straw				
	Rice				
Liver	straw	Positive	neoplasia of epithelial tissue	3.13E-14	2467
	Rice				
Liver	straw	Positive	tumorigenesis of tissue	5.42E-14	2503
	Rice				
Liver	straw	Positive	microtubule dynamics	1.16E-13	406
	Rice				
Liver	straw	Positive	expression of RNA	1.54E-13	681
	Rice				
Liver	straw	Positive	epithelial cancer	2.13E-13	2439
	Rice				
Liver	straw	Positive	transcription	3.87E-13	636
	Rice				
Liver	straw	Positive	transcription of RNA	4.23E-13	597
	Rice				
Liver	straw	Positive	quantity of cells	5.54E-13	571
	Rice				
Liver	straw	Positive	abdominal neoplasm	3.43E-12	2434
	Rice				
Liver	straw	Positive	development of cytoplasm	5.01E-12	177
	Rice				
Liver	straw	Positive	angiogenesis	5.01E-12	316
	Rice				
Liver	straw	Positive	vasculogenesis	5.01E-12	264
	Rice				
Liver	straw	Positive	concentration of lipid	7.87E-12	286
	Rice				
Liver	straw	Positive	abdominal cancer	2.88E-11	2400
	Rice				
Liver	straw	Positive	formation of cytoskeleton	4.39E-11	146
	Rice				
Liver	straw	Positive	transcription of DNA	4.75E-11	494
	Rice				
Liver	straw	Positive	organization of organelle	6.36E-11	198
	Rice				
Liver	straw	Positive	cell movement of tumor cell lines	1.33E-10	293
	Rice				
Liver	straw	Positive	invasion of cells	1.65E-10	298
	Rice				
Liver	straw	Positive	Movement Disorders	1.65E-10	354
	Rice				
Liver	straw	Positive	proliferation of tumor cell lines	1.86E-10	494
Liver	Rice	Positive	quantity of leukocytes	2.35E-10	311

	straw				
	Rice				
Liver	straw	Positive	cell death of tumor cell lines	3.54E-10	486
	Rice				
Liver	straw	Positive	formation of filaments	3.73E-10	150
	Rice				
Liver	straw	Positive	fibrogenesis	4.89E-10	154
	Rice				
Liver	straw	Positive	quantity of blood cells	5.48E-10	342
	Rice				
Liver	straw	Positive	cell viability of tumor cell lines	1.67E-09	266
	Rice				
Liver	straw	Positive	neuronal cell death	2.13E-09	236
	Rice				
Liver	straw	Positive	synthesis of lipid	2.13E-09	246
	Rice				
Liver	straw	Positive	size of body	2.13E-09	287
	Rice				
Liver	straw	Positive	protein kinase cascade	2.15E-09	155
	Rice				
Liver	straw	Positive	transactivation	2.32E-09	204
	Rice				
Liver	straw	Positive	abnormal morphology of cells	2.32E-09	407
	Rice				
Liver	straw	Positive	formation of cellular protrusions	2.37E-09	302
	Rice				
Liver	straw	Positive	dyskinesia	6.94E-09	214
	Rice				
Liver	straw	Positive	growth of connective tissue	8.29E-09	222
	Rice				
Liver	straw	Positive	cell movement of myeloid cells	8.29E-09	190
	Rice				
Liver	straw	Positive	disorder of basal ganglia	8.29E-09	259
	Rice				
Liver	straw	Positive	neurological signs	8.61E-09	224
	Rice				
Liver	straw	Positive	migration of blood cells	1.10E-08	290
	Rice				
Liver	straw	Positive	cell movement of phagocytes	1.29E-08	192
	Rice				
Liver	straw	Positive	leukocyte migration	1.41E-08	289
	Rice				
Liver	straw	Positive	quantity of carbohydrate	1.55E-08	182
Liver	Rice	Positive	neuromuscular disease	1.55E-08	292

	straw				
	Rice				
Liver	straw	Positive	proliferation of connective tissue cells	1.55E-08	205
	Rice				
Liver	straw	Positive	homing of cells	1.72E-08	194
	Rice				
Liver	straw	Positive	Viral Infection	1.89E-08	499
	Rice				
Liver	straw	Positive	morphology of body cavity	2.29E-08	381
	Rice				
Liver	straw	Positive	transactivation of RNA	2.44E-08	189
	Rice				
Liver	straw	Positive	concentration of fatty acid	2.44E-08	106
	Rice				
Liver	straw	Positive	formation of actin filaments	2.54E-08	114
	Rice				
Liver	straw	Positive	digestive organ tumor	3.02E-08	2084
	Rice				
Liver	straw	Positive	development of cardiovascular tissue	3.94E-08	134
	Rice				
Liver	straw	Positive	chemotaxis of cells	4.15E-08	183
	Rice				
Liver	straw	Positive	homing	4.77E-08	197
	Rice				
Liver	straw	Positive	cell movement of leukocytes	4.88E-08	255
	Rice				
Liver	straw	Positive	digestive system cancer	5.27E-08	2063
	Rice				
Liver	straw	Positive	Organ Degeneration	5.44E-08	172
	Rice				
Liver	straw	Positive	formation of actin stress fibers	6.05E-08	92
	Rice				
Liver	straw	Positive	phosphorylation of protein	6.36E-08	245
	Rice				
Liver	straw	Positive	cell death of connective tissue cells	6.83E-08	205
	Rice				
Liver	straw	Positive	apoptosis of tumor cell lines	8.24E-08	382
	Rice				
Liver	straw	Positive	chemotaxis	8.48E-08	187
	Rice				
Liver	straw	Positive	Huntington's Disease	8.49E-08	196
	Rice				
Liver	straw	Positive	metabolism of carbohydrate	8.71E-08	210
Liver	Rice	Positive	abnormal morphology of body cavity	9.59E-08	362

	straw				
	Rice				
Liver	straw	Positive	migration of tumor cell lines	1.21E-07	235
	Rice				
Liver	straw	Positive	development of endothelial tissue	1.21E-07	131
	Rice				
Liver	straw	Positive	development of body trunk	1.30E-07	354
	Rice				
Liver	straw	Positive	endothelial cell development	1.31E-07	127
	Rice				
Liver	straw	Positive	invasion of tumor cell lines	1.62E-07	222
	Rice				
Liver	straw	Positive	morphology of cardiovascular system	1.88E-07	208
	Rice				
Liver	straw	Positive	engulfment of cells	1.97E-07	143
	Rice				
Liver	straw	Positive	inflammatory response	2.21E-07	255
	Rice				
Liver	straw	Positive	seizure disorder	2.45E-07	162
	Rice				
Liver	straw	Positive	development of epithelial tissue	2.91E-07	176
	Rice				
Liver	straw	Positive	endocytosis	2.97E-07	123
	Rice				
Liver	straw	Positive	secretory pathway	3.58E-07	76
	Rice				
Liver	straw	Positive	cell cycle progression	4.38E-07	331
	Rice				
Liver	straw	Positive	abnormal morphology of thoracic cavity	5.22E-07	196
	Rice				
Liver	straw	Positive	exocytosis	7.02E-07	73
	Rice				
Liver	straw	Positive	uptake of monosaccharide	7.15E-07	98
	Rice				
Liver	straw	Positive	development of vasculature	8.95E-07	144
	Rice				
Liver	straw	Positive	seizures	9.16E-07	138
	Rice				
Liver	straw	Positive	quantity of mononuclear leukocytes	9.17E-07	239
	Rice				
Liver	straw	Positive	activation of DNA endogenous promoter	9.76E-07	375
	Rice				
Liver	straw	Positive	degeneration of nervous system	1.06E-06	103
Liver	Rice	Positive	growth of organism	1.09E-06	268

	straw				
	Rice				
Liver	straw	Positive	development of connective tissue	1.09E-06	129
	Rice				
Liver	straw	Positive	necrosis of epithelial tissue	1.12E-06	195
	Rice				
Liver	straw	Positive	behavior	1.14E-06	312
	Rice				
Liver	straw	Positive	long-term potentiation	1.43E-06	89
	Rice				
Liver	straw	Positive	proliferation of blood cells	1.51E-06	269
	Rice				
Liver	straw	Positive	ion homeostasis of cells	2.15E-06	184
	Rice				
Liver	straw	Positive	invasion of carcinoma cell lines	2.28E-06	74
	Rice				
Liver	straw	Positive	uptake of carbohydrate	2.28E-06	103
	Rice				
Liver	straw	Positive	learning	2.34E-06	142
	Rice				
Liver	straw	Positive	cognition	2.40E-06	153
	Rice				
Liver	straw	Positive	function of leukocytes	2.40E-06	178
	Rice				
Liver	straw	Positive	perinatal death	2.45E-06	195
	Rice				
Liver	straw	Positive	interphase	2.84E-06	213
	Rice				
Liver	straw	Positive	quantity of lymphocytes	2.90E-06	228
	Rice				
Liver	straw	Positive	cell movement of fibroblasts	2.90E-06	69
	Rice				
Liver	straw	Positive	hypersensitive reaction	2.95E-06	145
	Rice				
Liver	straw	Positive	formation of plasma membrane projections	3.23E-06	195
	Rice				
Liver	straw	Positive	neuritogenesis	3.24E-06	191
	Rice				
Liver	straw	Positive	cell movement of connective tissue cells	3.76E-06	81
	Rice				
Liver	straw	Positive	cell death of blood cells	4.18E-06	223
	Rice				
Liver	straw	Positive	activation of cells	4.50E-06	305
Liver	Rice	Positive	quantity of metal	4.50E-06	165

	straw				
	Rice				
Liver	straw	Positive	morphology of heart	4.55E-06	137
	Rice				
Liver	straw	Positive	organization of actin cytoskeleton	4.65E-06	105
	Rice				
Liver	straw	Positive	proliferation of neuronal cells	4.86E-06	188
	Rice				
Liver	straw	Positive	reorganization of cytoskeleton	4.91E-06	71
	Rice				
Liver	straw	Positive	chemotaxis of phagocytes	5.17E-06	103
	Rice				
Liver	straw	Positive	degeneration of cells	5.30E-06	118
	Rice				
Liver	straw	Positive	proliferation of immune cells	5.48E-06	251
	Rice				
Liver	straw	Positive	cell death of epithelial cells	5.78E-06	164
	Rice				
Liver	straw	Positive	abnormal morphology of cardiovascular system	5.96E-06	185
	Rice				
Liver	straw	Positive	cell movement of carcinoma cell lines	6.29E-06	75
	Rice				
Liver	straw	Positive	Growth Failure	6.37E-06	194
	Rice				
Liver	straw	Positive	cell death of immune cells	6.37E-06	212
	Rice				
Liver	straw	Positive	differentiation of connective tissue cells	6.45E-06	207
	Rice				
Liver	straw	Positive	uterine serous papillary cancer	6.45E-06	83
	Rice				
Liver	straw	Positive	synthesis of carbohydrate	6.81E-06	142
	Rice				
Liver	straw	Positive	migration of connective tissue cells	7.52E-06	67
	Rice				
Liver	straw	Positive	function of blood cells	7.72E-06	190
	Rice				
Liver	straw	Positive	colony formation	8.31E-06	175
	Rice				
Liver	straw	Positive	cell movement of granulocytes	8.76E-06	125
	Rice				
Liver	straw	Positive	proliferation of endothelial cells	8.99E-06	107
	Rice				
Liver	straw	Positive	cell death of fibroblast cell lines	9.48E-06	142
Liver	Rice	Positive	chemotaxis of myeloid cells	9.80E-06	101

	straw				
	Rice				
Liver	straw	Positive	differentiation of connective tissue	1.14E-05	231
	Rice				
Liver	straw	Positive	colony formation of cells	1.16E-05	161
	Rice				
Liver	straw	Positive	metabolism of nucleotide	1.18E-05	145
	Rice				
Liver	straw	Positive	morphology of head	1.18E-05	273
	Rice				
Liver	straw	Positive	influx of Ca ²⁺	1.28E-05	68
	Rice				
Liver	straw	Positive	cell movement of neutrophils	1.40E-05	102
	Rice				
Liver	straw	Positive	influx of cation	1.46E-05	70
	Rice				
Liver	straw	Positive	long-term potentiation of synapse	1.49E-05	56
	Rice				
Liver	straw	Positive	plasticity of synapse	1.53E-05	47
	Rice				
Liver	straw	Positive	dephosphorylation of protein	1.53E-05	68
	Rice				
Liver	straw	Positive	quantity of connective tissue	1.64E-05	193
	Rice				
Liver	straw	Positive	cell movement of macrophages	1.90E-05	92
	Rice				
Liver	straw	Positive	fatty acid metabolism	1.93E-05	192
	Rice				
Liver	straw	Positive	Neurodegeneration	1.95E-05	105
	Rice				
Liver	straw	Positive	proliferation of mononuclear leukocytes	1.95E-05	232
	Rice				
Liver	straw	Positive	accumulation of cells	1.97E-05	118
	Rice				
Liver	straw	Positive	female genital tract serous cancer	1.99E-05	128
	Rice				
Liver	straw	Positive	growth of lesion	2.03E-05	249
	Rice				
Liver	straw	Positive	cell movement of antigen presenting cells	2.08E-05	117
	Rice				
Liver	straw	Positive	influx of inorganic cation	2.08E-05	69
	Rice				
Liver	straw	Positive	quantity of metal ion	2.15E-05	145
Liver	Rice	Positive	branching of cells	2.20E-05	123

	straw				
	Rice				
Liver	straw	Positive	synthesis of nucleotide	2.24E-05	121
	Rice				
Liver	straw	Positive	secretion of molecule	2.31E-05	177
	Rice				
Liver	straw	Positive	binding of DNA	2.32E-05	168
	Rice				
Liver	straw	Positive	formation of skin	2.32E-05	122
	Rice				
Liver	straw	Positive	activation of antigen presenting cells	2.41E-05	107
	Rice				
Liver	straw	Positive	growth of tumor	2.45E-05	248
	Rice				
Liver	straw	Positive	proliferation of lymphocytes	2.49E-05	228
	Rice				
Liver	straw	Positive	Dermatitis	2.60E-05	142
	Rice				
Liver	straw	Positive	metabolism of membrane lipid derivative	2.67E-05	128
	Rice				
Liver	straw	Positive	killing of macrophages	2.76E-05	12
	Rice				
Liver	straw	Positive	concentration of acylglycerol	2.81E-05	112
	Rice				
Liver	straw	Positive	growth of epithelial tissue	2.87E-05	214
	Rice				
Liver	straw	Positive	allergy	2.87E-05	133
	Rice				
Liver	straw	Positive	flux of ion	3.25E-05	108
	Rice				
Liver	straw	Positive	transport of carbohydrate	3.39E-05	69
	Rice				
Liver	straw	Positive	morphology of lymphatic system component	3.58E-05	136
	Rice				
Liver	straw	Positive	demyelination	3.64E-05	46
	Rice				
Liver	straw	Positive	differentiation of muscle cell lines	3.75E-05	59
	Rice				
Liver	straw	Positive	abnormal morphology of heart	3.80E-05	126
	Rice				
Liver	straw	Positive	migration of fibroblasts	3.97E-05	53
	Rice				
Liver	straw	Positive	cell movement of endothelial cells	4.04E-05	117
Liver	Rice	Positive	quantity of Ca ²⁺	4.42E-05	133

	straw				
	Rice				
Liver	straw	Positive	autophagy	4.71E-05	123
	Rice				
Liver	straw	Positive	formation of cells	4.81E-05	299
	Rice				
Liver	straw	Positive	organization of filaments	4.86E-05	72
	Rice				
Liver	straw	Positive	growth of lymphatic system component	4.86E-05	68
	Rice				
Liver	straw	Positive	morphology of heart ventricle	4.86E-05	68
	Rice				
Liver	straw	Positive	transport of protein	5.06E-05	101
	Rice				
Liver	straw	Positive	morphology of muscle	5.38E-05	111
	Rice				
Liver	straw	Positive	proliferation of smooth muscle cells	5.38E-05	96
	Rice				
Liver	straw	Positive	permeability of cells	5.41E-05	39
	Rice				
Liver	straw	Positive	abnormal morphology of head	5.54E-05	256
	Rice				
Liver	straw	Positive	quantity of myeloid cells	5.59E-05	117
	Rice				
Liver	straw	Positive	dysmyelination	5.92E-05	50
	Rice				
Liver	straw	Positive	flux of cation	6.01E-05	102
	Rice				
Liver	straw	Positive	accumulation of blood cells	6.02E-05	94
	Rice				
Liver	straw	Positive	growth of muscle tissue	6.09E-05	122
	Rice				
Liver	straw	Positive	synthesis of DNA	6.21E-05	135
	Rice				
Liver	straw	Positive	metabolism of nucleic acid component or derivative	6.24E-05	165
	Rice				
Liver	straw	Positive	transport of alpha-amino acid	6.36E-05	30
	Rice				
Liver	straw	Positive	abnormal morphology of abdomen	6.44E-05	268
	Rice				
Liver	straw	Positive	cell movement of muscle cells	6.46E-05	64
	Rice				
Liver	straw	Positive	quantity of phagocytes	6.48E-05	137
Liver	Rice	Positive	ubiquitination	6.53E-05	111

	straw				
	Rice				
Liver	straw	Positive	development of neurons	6.70E-05	241
	Rice				
Liver	straw	Positive	quantity of lymphatic system component	6.88E-05	123
	Rice				
Liver	straw	Positive	activation of leukocytes	6.96E-05	217
	Rice				
Liver	straw	Positive	hydrolysis of lipid	6.99E-05	66
	Rice				
Liver	straw	Positive	concentration of phosphatidic acid	6.99E-05	50
	Rice				
Liver	straw	Positive	proliferation of muscle cells	7.01E-05	121
	Rice				
Liver	straw	Positive	cellular infiltration by macrophages	7.78E-05	57
	Rice				
Liver	straw	Positive	transport of monosaccharide	7.78E-05	57
	Rice				
Liver	straw	Positive	cell death of brain	7.97E-05	97
	Rice				
Liver	straw	Positive	flux of Ca ²⁺	7.97E-05	95
	Rice				
Liver	straw	Positive	benign neoplasia	8.18E-05	281
	Rice				
Liver	straw	Positive	ubiquitination of protein	8.22E-05	109
	Rice				
Liver	straw	Positive	receptor-mediated endocytosis	8.26E-05	53
	Rice				
Liver	straw	Positive	flux of inorganic cation	8.26E-05	100
	Rice				
Liver	straw	Positive	homing of blood cells	8.26E-05	123
	Rice				
Liver	straw	Positive	export of molecule	8.27E-05	98
	Rice				
Liver	straw	Positive	neurotransmission	8.27E-05	133
	Rice				
Liver	straw	Positive	release of fatty acid	8.31E-05	60
	Rice				
Liver	straw	Positive	transport of cation	8.31E-05	130
	Rice				
Liver	straw	Positive	sprouting	8.73E-05	125
	Rice				
Liver	straw	Positive	adhesion of immune cells	8.91E-05	114
Liver	Rice	Positive	development of body axis	9.12E-05	316

	straw				
	Rice				
Liver	straw	Positive	degeneration of neurons	9.30E-05	81
	Rice				
Liver	straw	Positive	cell death of epithelial cell lines	9.30E-05	94
	Rice				
Liver	straw	Positive	experimentally-induced diabetes	9.55E-05	37
	Rice				
Liver	straw	Positive	cell death of hippocampal neurons	9.91E-05	34
	Rice				
Liver	straw	Positive	concentration of phospholipid	1.01E-04	64
	Rice				
Liver	straw	Positive	metastasis of cells	1.02E-04	84
	Rice				
Liver	straw	Positive	morphology of nervous system	1.03E-04	240
	Rice				
Liver	straw	Positive	cellular infiltration by leukocytes	1.06E-04	125
	Rice				
Liver	straw	Positive	transmigration of cells	1.10E-04	56
	Rice				
Liver	straw	Positive	cognitive impairment	1.20E-04	108
	Rice				
Liver	straw	Positive	metabolism of protein	1.20E-04	293
	Rice				
Liver	straw	Positive	epileptic seizure	1.20E-04	59
	Rice				
Liver	straw	Positive	epilepsy	1.20E-04	101
	Rice				
Liver	straw	Positive	release of eicosanoid	1.20E-04	51
	Rice				
Liver	straw	Positive	cell death of hippocampal cells	1.22E-04	37
	Rice				
Liver	straw	Positive	hydrolysis of phosphoinositide	1.23E-04	25
	Rice				
Liver	straw	Positive	infection by RNA virus	1.23E-04	263
	Rice				
Liver	straw	Positive	cellular degradation	1.23E-04	85
	Rice				
Liver	straw	Positive	morphology of bone	1.23E-04	143
	Rice				
Liver	straw	Positive	cell death of lymphocytes	1.23E-04	124
	Rice				
Liver	straw	Positive	abnormal morphology of bone	1.23E-04	139
Liver	Rice	Positive	apoptosis of fibroblast cell lines	1.23E-04	107

	straw				
	Rice				
Liver	straw	Positive	migration of endothelial cells	1.23E-04	107
	Rice				
Liver	straw	Positive	activation of blood cells	1.23E-04	229
	Rice				
Liver	straw	Positive	uptake of D-glucose	1.23E-04	75
	Rice				
Liver	straw	Positive	cell death of heart	1.28E-04	77
	Rice				
Liver	straw	Positive	cell death of T lymphocytes	1.28E-04	103
	Rice				
Liver	straw	Positive	transport of ion	1.33E-04	159
	Rice				
Liver	straw	Positive	cancer of cells	1.37E-04	85
	Rice				
Liver	straw	Positive	apoptosis of blood cells	1.38E-04	156
	Rice				
Liver	straw	Positive	migration of muscle cells	1.41E-04	58
	Rice				
Liver	straw	Positive	differentiation of bone cells	1.42E-04	130
	Rice				
Liver	straw	Positive	cell death of central nervous system cells	1.43E-04	96
	Rice				
Liver	straw	Positive	replication of RNA virus	1.43E-04	159
	Rice				
Liver	straw	Positive	cell death of mononuclear leukocytes	1.43E-04	127
	Rice				
Liver	straw	Positive	formation of muscle	1.43E-04	127
	Rice				
Liver	straw	Positive	homing of leukocytes	1.47E-04	121
	Rice				
Liver	straw	Positive	abnormal morphology of heart ventricle	1.48E-04	61
	Rice				
Liver	straw	Positive	release of neurotransmitter	1.52E-04	55
	Rice				
Liver	straw	Positive	transport of metal	1.56E-04	108
	Rice				
Liver	straw	Positive	arthropathy	1.70E-04	286
	Rice				
Liver	straw	Positive	development of head	1.70E-04	294
	Rice				
Liver	straw	Positive	infection by Retroviridae	1.70E-04	220
Liver	Rice	Positive	HIV infection	1.70E-04	218

	straw				
	Rice				
Liver	straw	Positive	chemotaxis of leukocytes	1.75E-04	114
	Rice				
Liver	straw	Positive	morphology of lymphoid organ	1.81E-04	125
	Rice				
Liver	straw	Positive	syndromic mental retardation	1.81E-04	55
	Rice				
Liver	straw	Positive	morphology of connective tissue	1.93E-04	145
	Rice				
Liver	straw	Positive	cell death of heart cells	1.96E-04	74
	Rice				
Liver	straw	Positive	arthritis	1.96E-04	281
	Rice				
Liver	straw	Positive	abnormal morphology of nervous system	2.09E-04	221
	Rice				
Liver	straw	Positive	transport of inorganic cation	2.09E-04	113
	Rice				
Liver	straw	Positive	S phase	2.10E-04	86
	Rice				
Liver	straw	Positive	neutropenia	2.10E-04	19
	Rice				
Liver	straw	Positive	apoptosis of epithelial cell lines	2.10E-04	75
	Rice				
Liver	straw	Positive	serous neoplasm	2.10E-04	188
	Rice				
Liver	straw	Positive	I-kappaB kinase/NF-kappaB cascade	2.10E-04	60
	Rice				
Liver	straw	Positive	production of reactive oxygen species	2.11E-04	117
	Rice				
Liver	straw	Positive	concentration of eicosanoid	2.11E-04	42
	Rice				
Liver	straw	Positive	quantity of B lymphocytes	2.11E-04	111
	Rice				
Liver	straw	Positive	concentration of Ca ²⁺	2.11E-04	46
	Rice				
Liver	straw	Positive	small GTPase mediated signal transduction	2.14E-04	63
	Rice				
Liver	straw	Positive	release of arachidonic acid	2.14E-04	35
	Rice				
Liver	straw	Positive	mitosis	2.17E-04	155
	Rice				
Liver	straw	Positive	cell viability of cervical cancer cell lines	2.17E-04	74
Liver	Rice	Positive	synthesis of fatty acid	2.18E-04	101

	straw				
	Rice				
Liver	straw	Positive	proliferation of fibroblasts	2.23E-04	113
	Rice				
Liver	straw	Positive	mass of connective tissue	2.24E-04	68
	Rice				
Liver	straw	Positive	proliferation of lymphatic system cells	2.24E-04	68
	Rice				
Liver	straw	Positive	accumulation of lipid	2.26E-04	97
	Rice				
Liver	straw	Positive	development of blood cells	2.28E-04	200
	Rice				
Liver	straw	Positive	development of lymphatic system component	2.31E-04	100
	Rice				
Liver	straw	Positive	proliferation of T lymphocytes	2.34E-04	186
	Rice				
Liver	straw	Positive	homeostasis of ion	2.40E-04	79
	Rice				
Liver	straw	Positive	quantity of steroid	2.43E-04	146
	Rice				
Liver	straw	Positive	binding of endothelial cells	2.43E-04	39
	Rice				
Liver	straw	Positive	infection of cells	2.46E-04	241
	Rice				
Liver	straw	Positive	degeneration of central nervous system	2.47E-04	47
	Rice				
Liver	straw	Positive	apoptosis of neurons	2.47E-04	137
	Rice				
Liver	straw	Positive	maturation of cells	2.51E-04	143
	Rice				
Liver	straw	Positive	growth of embryo	2.51E-04	149
	Rice				
Liver	straw	Positive	quantity of hematopoietic cells	2.55E-04	139
	Rice				
Liver	straw	Positive	experimentally-induced arthritis	2.57E-04	53
	Rice				
Liver	straw	Positive	neurodegeneration of cerebral cortex	2.58E-04	24
	Rice				
Liver	straw	Positive	proliferation of glomerular cells	2.58E-04	24
	Rice				
Liver	straw	Positive	proliferation of mesangial cells	2.59E-04	21
	Rice				
Liver	straw	Positive	size of animal	2.62E-04	61
Liver	Rice	Positive	cell death of brain cells	2.63E-04	89

	straw				
	Rice				
Liver	straw	Positive	homeostasis of inorganic cation	2.65E-04	64
	Rice				
Liver	straw	Positive	apoptosis of leukocytes	2.68E-04	143
	Rice				
Liver	straw	Positive	synaptic transmission	2.74E-04	108
	Rice				
Liver	straw	Positive	development of leukocytes	2.77E-04	181
	Rice				
Liver	straw	Positive	cell death of cerebral cortex cells	2.77E-04	76
	Rice				
Liver	straw	Positive	formation of leukocytes	2.81E-04	55
	Rice				
Liver	straw	Positive	activation of neuroglia	2.92E-04	47
	Rice				
Liver	straw	Positive	proliferation of fibroblast cell lines	2.93E-04	133
	Rice				
Liver	straw	Positive	modification of peptide	2.95E-04	39
	Rice				
Liver	straw	Positive	abnormal morphology of embryonic tissue	2.99E-04	169
	Rice				
Liver	straw	Positive	muscle contraction	2.99E-04	81
	Rice				
Liver	straw	Positive	quantity of bone	2.99E-04	81
	Rice				
Liver	straw	Positive	metabolism of monosaccharide	2.99E-04	44
	Rice				
Liver	straw	Positive	activation of phagocytes	2.99E-04	118
	Rice				
Liver	straw	Positive	cellular infiltration	3.12E-04	137
	Rice				
Liver	straw	Positive	neovascularization	3.16E-04	56
	Rice				
Liver	straw	Positive	quantity of hematopoietic progenitor cells	3.16E-04	138
	Rice				
Liver	straw	Positive	Bleeding	3.16E-04	133
	Rice				
Liver	straw	Positive	aggregation of cells	3.19E-04	104
	Rice				
Liver	straw	Positive	function of cardiovascular system	3.19E-04	117
	Rice				
Liver	straw	Positive	accumulation of leukocytes	3.29E-04	87
Liver	Rice	Positive	quantity of T lymphocytes	3.35E-04	165

	straw				
	Rice				
Liver	straw	Positive	growth of renal glomerulus	3.36E-04	28
	Rice				
Liver	straw	Positive	cleavage of lipid	3.43E-04	67
	Rice				
Liver	straw	Positive	autophagy of cells	3.50E-04	86
	Rice				
Liver	straw	Positive	transport of L-amino acid	3.52E-04	26
	Rice				
Liver	straw	Positive	excitatory postsynaptic potential	3.60E-04	44
	Rice				
Liver	straw	Positive	transport of metal ion	3.64E-04	102
	Rice				
Liver	straw	Positive	differentiation of muscle	3.72E-04	97
	Rice				
Liver	straw	Positive	development of lymphocytes	3.72E-04	170
	Rice				
Liver	straw	Positive	advanced malignant tumor	3.82E-04	253
	Rice				
Liver	straw	Positive	chronic psoriasis	3.82E-04	50
	Rice				
Liver	straw	Positive	concentration of sterol	3.85E-04	98
	Rice				
Liver	straw	Positive	quantity of granulocytes	3.88E-04	101
	Rice				
Liver	straw	Positive	intracranial hemorrhage	3.91E-04	49
	Rice				
Liver	straw	Positive	migration of carcinoma cell lines	3.93E-04	58
	Rice				
Liver	straw	Positive	cell transformation	3.96E-04	143
	Rice				
Liver	straw	Positive	apoptosis of kidney cell lines	3.97E-04	78
	Rice				
Liver	straw	Positive	development of mononuclear leukocytes	3.97E-04	171
	Rice				
Liver	straw	Positive	entrance of Ca ²⁺	3.97E-04	30
	Rice				
Liver	straw	Positive	abnormal morphology of lymphoid organ	3.97E-04	119
	Rice				
Liver	straw	Positive	replication of virus	3.97E-04	172
	Rice				
Liver	straw	Positive	cell death of tumor	4.05E-04	120
Liver	Rice	Positive	oxidative stress response of cells	4.05E-04	25

	straw				
	Rice				
Liver	straw	Positive	concentration of triacylglycerol	4.22E-04	98
	Rice				
Liver	straw	Positive	proliferation of leukemia cell lines	4.30E-04	70
	Rice				
Liver	straw	Positive	abnormal quantity of lipid	4.32E-04	51
	Rice				
Liver	straw	Positive	homeostasis of metal ion	4.33E-04	62
	Rice				
Liver	straw	Positive	development of abdomen	4.34E-04	177
	Rice				
Liver	straw	Positive	neurodegeneration of brain	4.34E-04	40
	Rice				
Liver	straw	Positive	inflammation of organ	4.40E-04	344
	Rice				
Liver	straw	Positive	serine phosphorylation of peptide	4.48E-04	32
	Rice				
Liver	straw	Positive	cell movement of mononuclear leukocytes	4.59E-04	143
	Rice				
Liver	straw	Positive	growth of neurites	4.59E-04	143
	Rice				
Liver	straw	Positive	phagocytosis	4.59E-04	95
	Rice				
Liver	straw	Positive	vascularization	4.70E-04	77
	Rice				
Liver	straw	Positive	consumption of oxygen	4.70E-04	53
	Rice				
Liver	straw	Positive	concentration of cholesterol	4.70E-04	93
	Rice				
Liver	straw	Positive	assembly of protein-protein complex	4.70E-04	63
	Rice				
Liver	straw	Positive	morphology of respiratory system	4.78E-04	99
	Rice				
Liver	straw	Positive	abnormal morphology of skull	4.90E-04	72
	Rice				
Liver	straw	Positive	differentiation of epithelial tissue	4.90E-04	113
	Rice				
Liver	straw	Positive	branching of neurites	4.90E-04	89
	Rice				
Liver	straw	Positive	serine phosphorylation	4.96E-04	35
	Rice				
Liver	straw	Positive	cell death of kidney cells	4.96E-04	110
Liver	Rice	Positive	growth of plasma membrane projections	4.96E-04	144

	straw				
	Rice				
Liver	straw	Positive	cell viability of blood cells	4.96E-04	92
	Rice				
Liver	straw	Positive	adhesion of blood cells	4.98E-04	118
	Rice				
Liver	straw	Positive	degeneration of brain	5.01E-04	44
	Rice				
Liver	straw	Positive	necrosis of tumor	5.07E-04	119
	Rice				
Liver	straw	Positive	peripheral vascular disease	5.07E-04	119
	Rice				
Liver	straw	Positive	abnormal morphology of right ventricle	5.09E-04	21
	Rice				
Liver	straw	Positive	homeostasis of divalent cations	5.11E-04	50
	Rice				
Liver	straw	Positive	proliferation of hematopoietic cell lines	5.15E-04	73
	Rice				
Liver	straw	Positive	development of lymphatic system	5.15E-04	112
	Rice				
Liver	straw	Positive	neonatal death	5.21E-04	136
	Rice				
Liver	straw	Positive	mass of adipose tissue	5.30E-04	63
	Rice				
Liver	straw	Positive	morphology of right ventricle	5.37E-04	23
	Rice				
Liver	straw	Positive	phosphorylation of L-amino acid	5.45E-04	72
	Rice				
Liver	straw	Positive	cell movement of lymphocytes	5.45E-04	123
	Rice				
Liver	straw	Positive	mobilization of cells	5.54E-04	32
	Rice				
Liver	straw	Positive	vascularization of body region	5.55E-04	47
	Rice				
Liver	straw	Positive	synthesis of phospholipid	5.58E-04	59
	Rice				
Liver	straw	Positive	homeostasis of leukocytes	5.86E-04	169
	Rice				
Liver	straw	Positive	necrosis of kidney	5.93E-04	114
	Rice				
Liver	straw	Positive	autophosphorylation of protein	6.06E-04	54
	Rice				
Liver	straw	Positive	quantity of polyunsaturated fatty acids	6.07E-04	43
Liver	Rice	Positive	morphology of skin	6.11E-04	87

	straw				
	Rice				
Liver	straw	Positive	metastasis	6.28E-04	227
	Rice				
Liver	straw	Positive	cell death of kidney cell lines	6.35E-04	96
	Rice				
Liver	straw	Positive	muscular hypertrophy	6.39E-04	67
	Rice				
Liver	straw	Positive	activation of Protein kinase	6.43E-04	81
	Rice				
Liver	straw	Positive	cellular infiltration of phagocytes	6.46E-04	59
	Rice				
Liver	straw	Positive	branching of neurons	6.46E-04	91
	Rice				
Liver	straw	Positive	necrosis of cardiac muscle	6.50E-04	71
	Rice				
Liver	straw	Positive	activation of macrophages	6.50E-04	77
	Rice				
Liver	straw	Positive	abnormal morphology of respiratory system	6.50E-04	97
	Rice				
Liver	straw	Positive	autosomal recessive disease	6.50E-04	272
	Rice				
Liver	straw	Positive	synthesis of purine nucleotide	6.75E-04	58
	Rice				
Liver	straw	Positive	recruitment of leukocytes	6.92E-04	102
	Rice				
Liver	straw	Positive	quantity of antigen presenting cells	7.08E-04	88
	Rice				
Liver	straw	Positive	exocytosis by cells	7.09E-04	44
	Rice				
Liver	straw	Positive	cell viability of mononuclear leukocytes	7.09E-04	65
	Rice				
Liver	straw	Positive	outgrowth of neurites	7.27E-04	125
	Rice				
Liver	straw	Positive	transport of D-glucose	7.27E-04	49
	Rice				
Liver	straw	Positive	morphogenesis of neurons	7.29E-04	131
	Rice				
Liver	straw	Positive	migration of mesenchymal cells	7.61E-04	17
	Rice				
Liver	straw	Positive	chemotaxis of antigen presenting cells	7.61E-04	52
	Rice				
Liver	straw	Positive	chronic myeloid leukemia	7.62E-04	38
Liver	Rice	Positive	exocytosis of granules	7.62E-04	13

	straw				
	Rice				
Liver	straw	Positive	internalization of lipid	7.62E-04	13
	Rice				
Liver	straw	Positive	necrosis of muscle	7.90E-04	107
	Rice				
Liver	straw	Positive	size of embryo	7.90E-04	111
	Rice				
Liver	straw	Positive	hypertrophy of cardiomyocytes	7.96E-04	46
	Rice				
Liver	straw	Positive	transport of amino acids	7.96E-04	46
	Rice				
Liver	straw	Positive	cell movement of smooth muscle cells	8.09E-04	54
	Rice				
Liver	straw	Positive	hydrolysis of carbohydrate	8.19E-04	45
	Rice				
Liver	straw	Positive	T cell development	8.27E-04	153
	Rice				
Liver	straw	Positive	neoplasia of cells	8.36E-04	136
	Rice				
Liver	straw	Positive	miniature excitatory postsynaptic currents	8.36E-04	24
	Rice				
Liver	straw	Positive	relaxation of muscle	8.38E-04	31
	Rice				
Liver	straw	Positive	shape change of neurites	8.40E-04	90
	Rice				
Liver	straw	Positive	transport of synaptic vesicles	8.53E-04	27
	Rice				
Liver	straw	Positive	activation of enzyme	8.55E-04	120
	Rice				
Liver	straw	Positive	immediate hypersensitivity	8.61E-04	100
	Rice				
Liver	straw	Positive	synthesis of progesterone	8.63E-04	32
	Rice				
Liver	straw	Positive	Lymphocyte homeostasis	8.63E-04	165
	Rice				
Liver	straw	Positive	outgrowth of cells	8.66E-04	133
	Rice				
Liver	straw	Positive	keratosis	8.67E-04	42
	Rice				
Liver	straw	Positive	abnormal morphology of skeleton	8.78E-04	86
	Rice				
Liver	straw	Positive	phagocytosis of cells	8.78E-04	86
Liver	Rice	Positive	differentiation of muscle cells	8.89E-04	89

	straw					
	Rice					
Liver	straw	Positive	binding of mononuclear leukocytes	8.94E-04	40	
	Rice					
Liver	straw	Positive	binding of lymphocytes	8.95E-04	34	
	Rice					
Liver	straw	Positive	uptake of fatty acid	9.04E-04	28	
	Rice					
Liver	straw	Positive	mental retardation	9.07E-04	75	
	Rice					
Liver	straw	Positive	metabolism of phospholipid	9.07E-04	75	
	Rice					
Liver	straw	Positive	response of mononuclear leukocytes	9.07E-04	75	
	Rice					
Liver	straw	Positive	cell death of tumor cells	9.14E-04	115	
	Rice					
Liver	straw	Positive	cellularity	9.15E-04	25	
	Rice					
Liver	straw	Positive	apoptosis of heart cells	9.26E-04	62	
	Rice					
Liver	straw	Positive	tyrosine phosphorylation of protein	9.26E-04	62	
	Rice					
Liver	straw	Positive	function of muscle	9.43E-04	108	
	Rice					
Liver	straw	Positive	transmigration of blood cells	9.78E-04	44	
	Rice					
Liver	straw	Positive	mobilization of Ca ²⁺	1.02E-03	107	
	Rice					
Liver	straw	Positive	formation of filopodia	1.02E-03	55	
	Rice					
Liver	straw	Positive	cell death of cardiomyocytes	1.04E-03	69	
	Rice					
Liver	straw	Positive	morphology of skeleton	1.05E-03	88	
	Rice					
Liver	straw	Positive	metabolism of acylglycerol	1.05E-03	47	
	Rice					
Liver	straw	Positive	hydrolysis of phosphatidylinositol	1.09E-03	33	
	Rice					
Liver	straw	Positive	degranulation of cells	1.10E-03	72	
	Rice					
Liver	straw	Positive	contraction of heart	1.10E-03	59	
	Rice					
Liver	straw	Positive	formation of connective tissue cells	1.10E-03	68	
Liver	Rice	Positive	quantity of lymphoid organ	1.11E-03	96	

	straw				
	Rice				
Liver	straw	Positive	morphogenesis of neurites	1.11E-03	128
	Rice				
Liver	straw	Positive	quantity of cellular protrusions	1.11E-03	53
	Rice				
Liver	straw	Positive	synthesis of nitric oxide	1.12E-03	87
	Rice				
Liver	straw	Positive	contraction of striated muscle	1.12E-03	45
	Rice				
Liver	straw	Positive	cell viability of leukocytes	1.13E-03	82
	Rice				
Liver	straw	Positive	cell death of muscle cells	1.13E-03	104
	Rice				
Liver	straw	Positive	abnormal morphology of axial skeleton	1.14E-03	63
	Rice				
Liver	straw	Positive	trafficking of cells	1.15E-03	28
	Rice				
Liver	straw	Positive	recruitment of cells	1.18E-03	110
	Rice				
Liver	straw	Positive	formation of osteoclasts	1.23E-03	42
	Rice				
Liver	straw	Positive	differentiation of leukocytes	1.23E-03	200
	Rice				
Liver	straw	Positive	MAPKKK cascade	1.24E-03	66
	Rice				
Liver	straw	Positive	differentiation of blood cells	1.24E-03	248
	Rice				
Liver	straw	Positive	adhesion of tumor cell lines	1.24E-03	90
	Rice				
Liver	straw	Positive	autosomal dominant disease	1.27E-03	190
	Rice				
Liver	straw	Positive	glucose metabolism disorder	1.27E-03	369
	Rice				
Liver	straw	Positive	release of granules	1.28E-03	15
	Rice				
Liver	straw	Positive	binding of cells	1.28E-03	145
	Rice				
Liver	straw	Positive	development of connective tissue cells	1.30E-03	71
	Rice				
Liver	straw	Positive	quantity of macrophages	1.30E-03	65
	Rice				
Liver	straw	Negative	proliferation of cells	1.75E-41	1567
Liver	Rice	Negative	malignant solid tumor	7.69E-39	3940

	straw				
	Rice				
Liver	straw	Negative	cancer	7.69E-39	3982
	Rice				
Liver	straw	Negative	cell death	3.00E-33	1398
	Rice				
Liver	straw	Negative	organismal death	5.97E-33	1050
	Rice				
Liver	straw	Negative	morphology of cells	2.01E-32	878
	Rice				
Liver	straw	Negative	morbidity or mortality	2.39E-32	1059
	Rice				
Liver	straw	Negative	cell movement	4.66E-30	937
	Rice				
Liver	straw	Negative	necrosis	4.66E-30	1102
	Rice				
Liver	straw	Negative	apoptosis	9.80E-28	1117
	Rice				
Liver	straw	Negative	migration of cells	1.45E-24	828
	Rice				
Liver	straw	Negative	organization of cytoplasm	4.35E-24	685
	Rice				
Liver	straw	Negative	tumorigenesis of tissue	1.39E-23	3306
	Rice				
Liver	straw	Negative	neoplasia of epithelial tissue	4.99E-23	3253
	Rice				
Liver	straw	Negative	epithelial cancer	1.93E-22	3221
	Rice				
Liver	straw	Negative	organization of cytoskeleton	2.67E-20	616
	Rice				
Liver	straw	Negative	differentiation of cells	5.74E-20	934
	Rice				
Liver	straw	Negative	transport of molecule	2.10E-19	694
	Rice				
Liver	straw	Negative	abnormal morphology of cells	2.30E-19	562
	Rice				
Liver	straw	Negative	abdominal neoplasm	3.27E-19	3205
	Rice				
Liver	straw	Negative	angiogenesis	3.87E-19	421
	Rice				
Liver	straw	Negative	cell viability	4.37E-19	574
	Rice				
Liver	straw	Negative	cell survival	8.27E-19	608
Liver	Rice	Negative	expression of RNA	1.20E-18	888

	straw				
	Rice				
Liver	straw	Negative	abdominal cancer	1.20E-18	3166
	Rice				
Liver	straw	Negative	microtubule dynamics	3.77E-18	525
	Rice				
Liver	straw	Negative	transcription	1.06E-17	827
	Rice				
Liver	straw	Negative	quantity of cells	1.18E-17	743
	Rice				
Liver	straw	Negative	vasculogenesis	1.78E-17	346
	Rice				
Liver	straw	Negative	morphology of cardiovascular system	3.32E-17	297
	Rice				
Liver	straw	Negative	cell death of connective tissue cells	1.36E-16	288
	Rice				
Liver	straw	Negative	transcription of RNA	2.29E-16	769
	Rice				
Liver	straw	Negative	cellular homeostasis	2.74E-16	644
	Rice				
Liver	straw	Negative	Viral Infection	3.98E-16	677
	Rice				
Liver	straw	Negative	cell death of tumor cell lines	8.48E-16	643
	Rice				
Liver	straw	Negative	cell movement of tumor cell lines	6.88E-15	382
	Rice				
Liver	straw	Negative	quantity of leukocytes	1.36E-14	406
	Rice				
Liver	straw	Negative	abnormal morphology of cardiovascular system	2.18E-14	266
	Rice				
Liver	straw	Negative	autosomal recessive disease	2.48E-14	407
	Rice				
Liver	straw	Negative	digestive system cancer	6.29E-14	2729
	Rice				
Liver	straw	Negative	growth of organism	1.02E-13	371
	Rice				
Liver	straw	Negative	quantity of blood cells	1.04E-13	445
	Rice				
Liver	straw	Negative	development of cytoplasm	1.15E-13	220
	Rice				
Liver	straw	Negative	synthesis of lipid	2.87E-13	321
	Rice				
Liver	straw	Negative	migration of tumor cell lines	4.90E-13	317
Liver	Rice	Negative	digestive organ tumor	5.15E-13	2745

	straw				
	Rice				
Liver	straw	Negative	cell movement of blood cells	9.35E-13	382
	Rice				
Liver	straw	Negative	migration of blood cells	1.01E-12	381
	Rice				
Liver	straw	Negative	phosphorylation of protein	1.01E-12	327
	Rice				
Liver	straw	Negative	formation of cellular protrusions	1.19E-12	392
	Rice				
Liver	straw	Negative	leukocyte migration	1.21E-12	380
	Rice				
Liver	straw	Negative	apoptosis of tumor cell lines	1.73E-12	508
	Rice				
Liver	straw	Negative	size of body	1.84E-12	371
	Rice				
Liver	straw	Negative	cell cycle progression	2.05E-12	446
	Rice				
Liver	straw	Negative	cell death of fibroblast cell lines	2.59E-12	201
	Rice				
Liver	straw	Negative	proliferation of blood cells	2.59E-12	367
	Rice				
Liver	straw	Negative	quantity of mononuclear leukocytes	8.45E-12	323
	Rice				
Liver	straw	Negative	cell movement of leukocytes	9.99E-12	335
	Rice				
Liver	straw	Negative	development of blood cells	1.01E-11	290
	Rice				
Liver	straw	Negative	concentration of lipid	1.06E-11	352
	Rice				
Liver	straw	Negative	transcription of DNA	1.83E-11	622
	Rice				
Liver	straw	Negative	quantity of lymphocytes	2.38E-11	310
	Rice				
Liver	straw	Negative	Movement Disorders	2.39E-11	445
	Rice				
Liver	straw	Negative	invasion of cells	2.41E-11	373
	Rice				
Liver	straw	Negative	abnormal morphology of thoracic cavity	2.58E-11	262
	Rice				
Liver	straw	Negative	proliferation of tumor cell lines	3.17E-11	625
	Rice				
Liver	straw	Negative	neuronal cell death	6.10E-11	298
Liver	Rice	Negative	engulfment of cells	6.81E-11	188

	straw				
	Rice				
Liver	straw	Negative	infection of cells	6.94E-11	343
	Rice				
Liver	straw	Negative	apoptosis of fibroblast cell lines	1.04E-10	155
	Rice				
Liver	straw	Negative	proliferation of immune cells	1.04E-10	340
	Rice				
Liver	straw	Negative	protein kinase cascade	1.17E-10	193
	Rice				
Liver	straw	Negative	development of lymphocytes	1.23E-10	246
	Rice				
Liver	straw	Negative	development of leukocytes	1.23E-10	260
	Rice				
Liver	straw	Negative	necrosis of epithelial tissue	1.23E-10	260
	Rice				
Liver	straw	Negative	formation of cytoskeleton	1.63E-10	174
	Rice				
Liver	straw	Negative	homeostasis of leukocytes	1.69E-10	246
	Rice				
Liver	straw	Negative	Lymphocyte homeostasis	1.73E-10	242
	Rice				
Liver	straw	Negative	neurological signs	1.73E-10	284
	Rice				
Liver	straw	Negative	development of vasculature	1.89E-10	191
	Rice				
Liver	straw	Negative	morphology of connective tissue	1.91E-10	208
	Rice				
Liver	straw	Negative	development of lymphatic system component	2.21E-10	146
	Rice				
Liver	straw	Negative	morphology of heart	3.10E-10	185
	Rice				
Liver	straw	Negative	morphology of body cavity	3.16E-10	489
	Rice				
Liver	straw	Negative	transactivation	3.18E-10	254
	Rice				
Liver	straw	Negative	infection by RNA virus	3.38E-10	366
	Rice				
Liver	straw	Negative	formation of cells	3.43E-10	410
	Rice				
Liver	straw	Negative	interphase	4.52E-10	284
	Rice				
Liver	straw	Negative	T cell development	5.51E-10	223
Liver	Rice	Negative	abnormal morphology of body cavity	5.58E-10	468

	straw				
	Rice				
Liver	straw	Negative	invasion of tumor cell lines	5.94E-10	287
	Rice				
Liver	straw	Negative	development of lymphatic system	5.95E-10	164
	Rice				
Liver	straw	Negative	dyskinesia	5.95E-10	268
	Rice				
Liver	straw	Negative	disorder of basal ganglia	6.97E-10	326
	Rice				
Liver	straw	Negative	growth of lymphatic system component	7.20E-10	96
	Rice				
Liver	straw	Negative	proliferation of hematopoietic cells	7.34E-10	122
	Rice				
Liver	straw	Negative	organization of organelle	7.38E-10	237
	Rice				
Liver	straw	Negative	quantity of lymphatic system component	8.22E-10	172
	Rice				
Liver	straw	Negative	infection by Retroviridae	9.10E-10	307
	Rice				
Liver	straw	Negative	development of body trunk	1.00E-09	457
	Rice				
Liver	straw	Negative	HIV infection	1.02E-09	304
	Rice				
Liver	straw	Negative	homing	1.02E-09	250
	Rice				
Liver	straw	Negative	proliferation of mononuclear leukocytes	1.02E-09	314
	Rice				
Liver	straw	Negative	ubiquitination	1.12E-09	155
	Rice				
Liver	straw	Negative	proliferation of connective tissue cells	1.31E-09	257
	Rice				
Liver	straw	Negative	cell viability of tumor cell lines	1.35E-09	329
	Rice				
Liver	straw	Negative	proliferation of lymphocytes	1.38E-09	309
	Rice				
Liver	straw	Negative	homing of cells	1.38E-09	243
	Rice				
Liver	straw	Negative	proliferation of hematopoietic progenitor cells	1.59E-09	116
	Rice				
Liver	straw	Negative	infection by HIV-1	1.75E-09	263
	Rice				
Liver	straw	Negative	T cell homeostasis	1.84E-09	226
Liver	Rice	Negative	colony formation	1.94E-09	234

	straw				
	Rice				
Liver	straw	Negative	ubiquitination of protein	2.06E-09	152
	Rice				
Liver	straw	Negative	growth of connective tissue	2.14E-09	276
	Rice				
Liver	straw	Negative	fibrogenesis	2.15E-09	184
	Rice				
Liver	straw	Negative	cell death of blood cells	2.15E-09	295
	Rice				
Liver	straw	Negative	function of leukocytes	2.19E-09	234
	Rice				
Liver	straw	Negative	colony formation of cells	2.28E-09	216
	Rice				
Liver	straw	Negative	cell movement of myeloid cells	2.30E-09	235
	Rice				
Liver	straw	Negative	differentiation of blood cells	2.87E-09	352
	Rice				
Liver	straw	Negative	cell spreading	2.87E-09	129
	Rice				
Liver	straw	Negative	differentiation of leukocytes	3.19E-09	286
	Rice				
Liver	straw	Negative	metabolism of carbohydrate	3.32E-09	266
	Rice				
Liver	straw	Negative	concentration of fatty acid	3.32E-09	130
	Rice				
Liver	straw	Negative	formation of leukocytes	3.66E-09	80
	Rice				
Liver	straw	Negative	proliferation of neuronal cells	4.12E-09	248
	Rice				
Liver	straw	Negative	endocytosis	4.72E-09	156
	Rice				
Liver	straw	Negative	chorea	4.72E-09	248
	Rice				
Liver	straw	Negative	inflammatory response	4.79E-09	326
	Rice				
Liver	straw	Negative	Huntington's Disease	5.12E-09	247
	Rice				
Liver	straw	Negative	cell movement of phagocytes	5.25E-09	237
	Rice				
Liver	straw	Negative	cell death of immune cells	5.25E-09	280
	Rice				
Liver	straw	Negative	small GTPase mediated signal transduction	5.77E-09	90
Liver	Rice	Negative	abnormal morphology of heart	6.01E-09	171

	straw				
	Rice				
Liver	straw	Negative	autosomal dominant disease	6.01E-09	271
	Rice				
Liver	straw	Negative	abnormal morphology of epithelial tissue	6.19E-09	185
	Rice				
Liver	straw	Negative	development of connective tissue	6.21E-09	166
	Rice				
Liver	straw	Negative	cell death of epithelial cells	6.35E-09	216
	Rice				
Liver	straw	Negative	survival of organism	7.35E-09	296
	Rice				
Liver	straw	Negative	growth of epithelial tissue	7.66E-09	287
	Rice				
Liver	straw	Negative	formation of blood cells	1.13E-08	95
	Rice				
Liver	straw	Negative	function of blood cells	1.16E-08	250
	Rice				
Liver	straw	Negative	perinatal death	1.16E-08	253
	Rice				
Liver	straw	Negative	formation of lymphatic system component	1.48E-08	133
	Rice				
Liver	straw	Negative	cell movement of neutrophils	1.57E-08	135
	Rice				
Liver	straw	Negative	quantity of lymphoid organ	1.72E-08	139
	Rice				
Liver	straw	Negative	formation of filaments	1.72E-08	175
	Rice				
Liver	straw	Negative	chemotaxis	1.72E-08	233
	Rice				
Liver	straw	Negative	transactivation of RNA	2.19E-08	232
	Rice				
Liver	straw	Negative	synthesis of carbohydrate	2.81E-08	185
	Rice				
Liver	straw	Negative	morphology of vessel	2.81E-08	138
	Rice				
Liver	straw	Negative	degeneration of nervous system	2.81E-08	130
	Rice				
Liver	straw	Negative	formation of lymphoid organ	2.83E-08	121
	Rice				
Liver	straw	Negative	formation of actin filaments	3.01E-08	137
	Rice				
Liver	straw	Negative	neuromuscular disease	3.01E-08	361
Liver	Rice	Negative	chemotaxis of cells	3.02E-08	225

	straw				
	Rice				
Liver	straw	Negative	cell movement of granulocytes	3.36E-08	163
	Rice				
Liver	straw	Negative	quantity of connective tissue	3.48E-08	254
	Rice				
Liver	straw	Negative	fatty acid metabolism	3.80E-08	253
	Rice				
Liver	straw	Negative	metabolism of protein	3.91E-08	394
	Rice				
Liver	straw	Negative	Neurodegeneration	5.01E-08	138
	Rice				
Liver	straw	Negative	cell death of epithelial cell lines	6.55E-08	127
	Rice				
Liver	straw	Negative	breast or colorectal cancer	7.35E-08	1815
	Rice				
Liver	straw	Negative	activation of DNA endogenous promoter	8.30E-08	479
	Rice				
Liver	straw	Negative	formation of muscle	8.66E-08	172
	Rice				
Liver	straw	Negative	abnormal morphology of abdomen	8.70E-08	356
	Rice				
Liver	straw	Negative	formation of lymphocytes	9.28E-08	63
	Rice				
Liver	straw	Negative	differentiation of mononuclear leukocytes	9.37E-08	228
	Rice				
Liver	straw	Negative	formation of mononuclear leukocytes	9.47E-08	65
	Rice				
Liver	straw	Negative	growth of embryo	1.05E-07	203
	Rice				
Liver	straw	Negative	Growth Failure	1.08E-07	250
	Rice				
Liver	straw	Negative	abnormal morphology of digestive system	1.11E-07	229
	Rice				
Liver	straw	Negative	activation of cells	1.13E-07	393
	Rice				
Liver	straw	Negative	morphology of digestive system	1.32E-07	239
	Rice				
Liver	straw	Negative	formation of thymocytes	1.38E-07	54
	Rice				
Liver	straw	Negative	cell transformation	1.44E-07	196
	Rice				
Liver	straw	Negative	activation of blood cells	1.45E-07	306
Liver	Rice	Negative	quantity of hematopoietic cells	1.45E-07	189

	straw				
	Rice				
Liver	straw	Negative	quantity of hematopoietic progenitor cells	1.87E-07	188
	Rice				
Liver	straw	Negative	apoptosis of blood cells	1.90E-07	209
	Rice				
Liver	straw	Negative	benign neoplasia	2.01E-07	372
	Rice				
Liver	straw	Negative	synthesis of fatty acid	2.03E-07	137
	Rice				
Liver	straw	Negative	quantity of T lymphocytes	2.24E-07	224
	Rice				
Liver	straw	Negative	growth of lymphoid organ	2.32E-07	81
	Rice				
Liver	straw	Negative	formation of T lymphocytes	2.36E-07	58
	Rice				
Liver	straw	Negative	quantity of B lymphocytes	2.37E-07	150
	Rice				
Liver	straw	Negative	cell death of cervical cancer cell lines	2.37E-07	152
	Rice				
Liver	straw	Negative	morphology of blood vessel	2.45E-07	125
	Rice				
Liver	straw	Negative	quantity of carbohydrate	2.75E-07	217
	Rice				
Liver	straw	Negative	proliferation of T lymphocytes	2.85E-07	250
	Rice				
Liver	straw	Negative	cell death of kidney cells	3.06E-07	151
	Rice				
Liver	straw	Negative	cellular infiltration by leukocytes	3.12E-07	166
	Rice				
Liver	straw	Negative	abnormal morphology of head	3.30E-07	336
	Rice				
Liver	straw	Negative	morphology of head	3.52E-07	352
	Rice				
Liver	straw	Negative	proliferation of lymphatic system cells	3.62E-07	92
	Rice				
Liver	straw	Negative	growth of muscle tissue	3.78E-07	160
	Rice				
Liver	straw	Negative	apoptosis of epithelial cell lines	4.10E-07	101
	Rice				
Liver	straw	Negative	proliferation of muscle cells	4.11E-07	159
	Rice				
Liver	straw	Negative	cellular infiltration of cells	4.47E-07	169
Liver	Rice	Negative	differentiation of lymphocytes	4.56E-07	208

	straw				
	Rice				
Liver	straw	Negative	cell movement of endothelial cells	4.56E-07	152
	Rice				
Liver	straw	Negative	cell death of sarcoma cell lines	4.73E-07	102
	Rice				
Liver	straw	Negative	formation of actin stress fibers	5.12E-07	107
	Rice				
Liver	straw	Negative	apoptosis of connective tissue cells	5.48E-07	129
	Rice				
Liver	straw	Negative	mitosis	5.67E-07	207
	Rice				
Liver	straw	Negative	cell death of heart cells	5.79E-07	99
	Rice				
Liver	straw	Negative	cell death of heart	5.85E-07	102
	Rice				
Liver	straw	Negative	activation of leukocytes	6.63E-07	284
	Rice				
Liver	straw	Negative	cell death of T lymphocytes	7.57E-07	136
	Rice				
Liver	straw	Negative	cell death of mononuclear leukocytes	7.61E-07	168
	Rice				
Liver	straw	Negative	development of hematopoietic system	7.61E-07	110
	Rice				
Liver	straw	Negative	arthropathy	8.55E-07	378
	Rice				
Liver	straw	Negative	development of cardiovascular tissue	9.20E-07	157
	Rice				
Liver	straw	Negative	cell death of muscle	9.74E-07	147
	Rice				
Liver	straw	Negative	generation of leukocytes	1.13E-06	75
	Rice				
Liver	straw	Negative	binding of DNA	1.19E-06	215
	Rice				
Liver	straw	Negative	cellular infiltration	1.19E-06	183
	Rice				
Liver	straw	Negative	proliferation of fibroblasts	1.23E-06	150
	Rice				
Liver	straw	Negative	necrosis of muscle	1.25E-06	146
	Rice				
Liver	straw	Negative	morphology of heart ventricle	1.25E-06	87
	Rice				
Liver	straw	Negative	necrosis of cardiac muscle	1.28E-06	97
Liver	Rice	Negative	synthesis of reactive oxygen species	1.29E-06	199

	straw				
	Rice				
Liver	straw	Negative	replication of RNA virus	1.34E-06	209
	Rice				
Liver	straw	Negative	apoptosis of kidney cell lines	1.34E-06	105
	Rice				
Liver	straw	Negative	cell death of muscle cells	1.34E-06	143
	Rice				
Liver	straw	Negative	generation of blood cells	1.36E-06	76
	Rice				
Liver	straw	Negative	cognition	1.36E-06	189
	Rice				
Liver	straw	Negative	replication of virus	1.36E-06	230
	Rice				
Liver	straw	Negative	growth of neurites	1.36E-06	192
	Rice				
Liver	straw	Negative	endothelial cell development	1.38E-06	150
	Rice				
Liver	straw	Negative	growth of lesion	1.40E-06	319
	Rice				
Liver	straw	Negative	apoptosis of leukocytes	1.40E-06	190
	Rice				
Liver	straw	Negative	cell movement of fibroblasts	1.53E-06	83
	Rice				
Liver	straw	Negative	hypersensitive reaction	1.61E-06	179
	Rice				
Liver	straw	Negative	migration of connective tissue cells	1.62E-06	82
	Rice				
Liver	straw	Negative	cell viability of blood cells	1.63E-06	124
	Rice				
Liver	straw	Negative	quantity of phagocytes	1.65E-06	177
	Rice				
Liver	straw	Negative	cell death of lymphocytes	1.65E-06	162
	Rice				
Liver	straw	Negative	growth of tumor	1.66E-06	318
	Rice				
Liver	straw	Negative	arthritis	1.66E-06	370
	Rice				
Liver	straw	Negative	size of animal	1.68E-06	81
	Rice				
Liver	straw	Negative	cell death of cardiomyocytes	1.73E-06	95
	Rice				
Liver	straw	Negative	differentiation of connective tissue	1.75E-06	293
Liver	Rice	Negative	accumulation of lipid	1.95E-06	128

	straw				
	Rice				
Liver	straw	Negative	growth of thymus gland	2.04E-06	48
	Rice				
Liver	straw	Negative	development of endothelial tissue	2.07E-06	154
	Rice				
Liver	straw	Negative	apoptosis of heart cells	2.13E-06	85
	Rice				
Liver	straw	Negative	Organ Degeneration	2.13E-06	203
	Rice				
Liver	straw	Negative	secretory pathway	2.21E-06	88
	Rice				
Liver	straw	Negative	S phase	2.22E-06	113
	Rice				
Liver	straw	Negative	secretion of molecule	2.25E-06	225
	Rice				
Liver	straw	Negative	phosphorylation of L-amino acid	2.26E-06	97
	Rice				
Liver	straw	Negative	quantity of thymus gland	2.37E-06	102
	Rice				
Liver	straw	Negative	morphology of cardiovascular tissue	2.38E-06	44
	Rice				
Liver	straw	Negative	apoptosis of cervical cancer cell lines	2.39E-06	121
	Rice				
Liver	straw	Negative	migration of endothelial cells	2.44E-06	139
	Rice				
Liver	straw	Negative	development of hematopoietic progenitor cells	2.46E-06	86
	Rice				
Liver	straw	Negative	quantity of thymocytes	2.52E-06	101
	Rice				
Liver	straw	Negative	degeneration of cells	2.76E-06	145
	Rice				
Liver	straw	Negative	accumulation of cells	2.90E-06	148
	Rice				
Liver	straw	Negative	differentiation of connective tissue cells	2.90E-06	259
	Rice				
Liver	straw	Negative	targeting of protein	2.90E-06	61
	Rice				
Liver	straw	Negative	cell death of kidney cell lines	2.90E-06	129
	Rice				
Liver	straw	Negative	morphology of endothelial tissue	3.05E-06	42
	Rice				
Liver	straw	Negative	cell movement of cancer cells	3.06E-06	68
Liver	Rice	Negative	apoptosis of epithelial cells	3.08E-06	122

	straw				
	Rice				
Liver	straw	Negative	proliferation of endothelial cells	3.12E-06	132
	Rice				
Liver	straw	Negative	learning	3.36E-06	173
	Rice				
Liver	straw	Negative	abnormal morphology of blood vessel	3.47E-06	114
	Rice				
Liver	straw	Negative	development of head	3.58E-06	384
	Rice				
Liver	straw	Negative	transport of carbohydrate	3.83E-06	86
	Rice				
Liver	straw	Negative	aggregation of cells	3.93E-06	137
	Rice				
Liver	straw	Negative	formation of skin	3.95E-06	153
	Rice				
Liver	straw	Negative	aggregation of blood platelets	4.07E-06	85
	Rice				
Liver	straw	Negative	cell movement of connective tissue cells	4.09E-06	97
	Rice				
Liver	straw	Negative	congenital anomaly of musculoskeletal system	4.10E-06	293
	Rice				
Liver	straw	Negative	branching of cells	4.16E-06	154
	Rice				
Liver	straw	Negative	modification of peptide	4.22E-06	51
	Rice				
Liver	straw	Negative	cell death of embryonic cells	4.22E-06	55
	Rice				
Liver	straw	Negative	necrosis of kidney	4.23E-06	152
	Rice				
Liver	straw	Negative	cell viability of lymphocytes	4.26E-06	84
	Rice				
Liver	straw	Negative	generation of lymphocytes	4.40E-06	65
	Rice				
Liver	straw	Negative	peripheral vascular disease	4.49E-06	158
	Rice				
Liver	straw	Negative	development of epithelial tissue	4.80E-06	210
	Rice				
Liver	straw	Negative	outgrowth of neurites	4.80E-06	167
	Rice				
Liver	straw	Negative	apoptosis of cardiomyocytes	4.82E-06	82
	Rice				
Liver	straw	Negative	sprouting	5.01E-06	160
Liver	Rice	Negative	morphology of nervous system	5.19E-06	310

	straw					
	Rice					
Liver	straw	Negative	colon cancer	5.25E-06	1349	
	Rice					
Liver	straw	Negative	cell viability of mononuclear leukocytes	5.37E-06	87	
	Rice					
Liver	straw	Negative	proliferation of smooth muscle cells	5.44E-06	121	
	Rice					
Liver	straw	Negative	generation of mononuclear leukocytes	5.48E-06	66	
	Rice					
Liver	straw	Negative	invasion of tissue	5.73E-06	86	
	Rice					
Liver	straw	Negative	gastrointestinal tract cancer	5.77E-06	1822	
	Rice					
Liver	straw	Negative	development of body axis	5.98E-06	408	
	Rice					
Liver	straw	Negative	neoplasia of colon	6.01E-06	1352	
	Rice					
Liver	straw	Negative	colon tumor	6.01E-06	1356	
	Rice					
Liver	straw	Negative	abdominal adenocarcinoma	6.05E-06	2116	
	Rice					
Liver	straw	Negative	behavior	6.14E-06	385	
	Rice					
Liver	straw	Negative	infection of embryonic cell lines	6.26E-06	117	
	Rice					
Liver	straw	Negative	infection of epithelial cell lines	6.26E-06	117	
	Rice					
Liver	straw	Negative	morphology of muscle	6.26E-06	140	
	Rice					
Liver	straw	Negative	concentration of phospholipid	6.26E-06	81	
	Rice					
Liver	straw	Negative	formation of thymus gland	6.32E-06	73	
	Rice					
Liver	straw	Negative	recruitment of cells	6.65E-06	148	
	Rice					
Liver	straw	Negative	angiogenesis of lesion	6.86E-06	59	
	Rice					
Liver	straw	Negative	formation of hematopoietic progenitor cells	6.86E-06	59	
	Rice					
Liver	straw	Negative	migration of tumor cells	7.02E-06	97	
	Rice					
Liver	straw	Negative	differentiation of epithelial tissue	7.02E-06	149	
Liver	Rice	Negative	tumorigenesis of intestine	7.13E-06	1354	

	straw				
	Rice				
Liver	straw	Negative	adenocarcinoma	7.54E-06	2320
	Rice				
Liver	straw	Negative	damage of epithelial tissue	7.80E-06	50
	Rice				
Liver	straw	Negative	mass of organism	7.86E-06	139
	Rice				
Liver	straw	Negative	chemotaxis of phagocytes	7.95E-06	124
	Rice				
Liver	straw	Negative	I-kappaB kinase/NF-kappaB cascade	7.95E-06	77
	Rice				
Liver	straw	Negative	catabolism of protein	8.73E-06	241
	Rice				
Liver	straw	Negative	metabolism of reactive oxygen species	9.10E-06	202
	Rice				
Liver	straw	Negative	cell viability of leukocytes	9.19E-06	110
	Rice				
Liver	straw	Negative	recruitment of phagocytes	9.63E-06	105
	Rice				
Liver	straw	Negative	cell viability of T lymphocytes	1.04E-05	54
	Rice				
Liver	straw	Negative	function of lymphocytes	1.04E-05	141
	Rice				
Liver	straw	Negative	proliferation of epithelial cells	1.04E-05	199
	Rice				
Liver	straw	Negative	Bleeding	1.04E-05	173
	Rice				
Liver	straw	Negative	exocytosis	1.04E-05	83
	Rice				
Liver	straw	Negative	metabolism of membrane lipid derivative	1.04E-05	159
	Rice				
Liver	straw	Negative	invasion of carcinoma cell lines	1.04E-05	86
	Rice				
Liver	straw	Negative	female genital tract serous cancer	1.14E-05	158
	Rice				
Liver	straw	Negative	infection of kidney cell lines	1.21E-05	119
	Rice				
Liver	straw	Negative	apoptosis of neurons	1.23E-05	177
	Rice				
Liver	straw	Negative	cell death of melanoma cell lines	1.27E-05	106
	Rice				
Liver	straw	Negative	migration of muscle cells	1.28E-05	73
Liver	Rice	Negative	quantity of antigen presenting cells	1.31E-05	116

	straw				
	Rice				
Liver	straw	Negative	outgrowth of cells	1.33E-05	176
	Rice				
Liver	straw	Negative	cell movement of muscle cells	1.37E-05	79
	Rice				
Liver	straw	Negative	differentiation of T lymphocytes	1.48E-05	155
	Rice				
Liver	straw	Negative	transmembrane potential of mitochondria	1.50E-05	92
	Rice				
Liver	straw	Negative	cell movement of lymphocytes	1.50E-05	161
	Rice				
Liver	straw	Negative	differentiation of bone	1.52E-05	167
	Rice				
Liver	straw	Negative	apoptosis of muscle	1.53E-05	110
	Rice				
Liver	straw	Negative	apoptosis of endothelial cells	1.58E-05	80
	Rice				
Liver	straw	Negative	internalization of cells	1.60E-05	73
	Rice				
Liver	straw	Negative	concentration of Ca ²⁺	1.62E-05	58
	Rice				
Liver	straw	Negative	neuritogenesis	1.62E-05	232
	Rice				
Liver	straw	Negative	migration of fibroblasts	1.62E-05	64
	Rice				
Liver	straw	Negative	uptake of carbohydrate	1.63E-05	121
	Rice				
Liver	straw	Negative	morphology of lymphatic system component	1.63E-05	169
	Rice				
Liver	straw	Negative	immune response of cells	1.63E-05	228
	Rice				
Liver	straw	Negative	Gastrointestinal Tract Cancer and Tumors	1.63E-05	1844
	Rice				
Liver	straw	Negative	growth of embryonic tissue	1.64E-05	115
	Rice				
Liver	straw	Negative	development of neurons	1.64E-05	306
	Rice				
Liver	straw	Negative	neoplasia of tumor cell lines	1.75E-05	131
	Rice				
Liver	straw	Negative	angiogenesis of tumor	1.75E-05	55
	Rice				
Liver	straw	Negative	function of cardiovascular system	1.76E-05	151
Liver	Rice	Negative	cell movement of smooth muscle cells	1.77E-05	71

	straw				
	Rice				
Liver	straw	Negative	morphogenesis of neurons	1.82E-05	172
	Rice				
Liver	straw	Negative	transport of monosaccharide	1.87E-05	70
	Rice				
Liver	straw	Negative	cell movement of mononuclear leukocytes	1.87E-05	186
	Rice				
Liver	straw	Negative	activation of enzyme	1.88E-05	158
	Rice				
Liver	straw	Negative	gastrointestinal carcinoma	1.89E-05	1631
	Rice				
Liver	straw	Negative	cell movement of tumor cells	1.89E-05	80
	Rice				
Liver	straw	Negative	apoptosis of muscle cells	1.90E-05	109
	Rice				
Liver	straw	Negative	proliferation of thymocytes	1.90E-05	43
	Rice				
Liver	straw	Negative	seizures	1.96E-05	162
	Rice				
Liver	straw	Negative	differentiation of bone cells	1.96E-05	165
	Rice				
Liver	straw	Negative	adenoma	2.00E-05	220
	Rice				
Liver	straw	Negative	metastasis	2.07E-05	297
	Rice				
Liver	straw	Negative	killing of macrophages	2.27E-05	13
	Rice				
Liver	straw	Negative	Dermatitis	2.28E-05	175
	Rice				
Liver	straw	Negative	breast or ovarian cancer	2.28E-05	711
	Rice				
Liver	straw	Negative	infection of tumor cell lines	2.28E-05	204
	Rice				
Liver	straw	Negative	homing of blood cells	2.28E-05	154
	Rice				
Liver	straw	Negative	glucose metabolism disorder	2.28E-05	487
	Rice				
Liver	straw	Negative	cell death of neuroblastoma cell lines	2.28E-05	83
	Rice				
Liver	straw	Negative	formation of plasma membrane projections	2.30E-05	236
	Rice				
Liver	straw	Negative	accumulation of blood cells	2.39E-05	116
Liver	Rice	Negative	epileptic seizure	2.40E-05	73

	straw				
	Rice				
Liver	straw	Negative	peripheral arterial disease	2.43E-05	90
	Rice				
Liver	straw	Negative	concentration of acylglycerol	2.44E-05	137
	Rice				
Liver	straw	Negative	cell death of astrocytes	2.45E-05	23
	Rice				
Liver	straw	Negative	adhesion of blood cells	2.45E-05	153
	Rice				
Liver	straw	Negative	morphology of respiratory system	2.53E-05	128
	Rice				
Liver	straw	Negative	morphology of skin	2.59E-05	113
	Rice				
Liver	straw	Negative	recruitment of macrophages	2.59E-05	49
	Rice				
Liver	straw	Negative	maturation of cells	2.62E-05	183
	Rice				
Liver	straw	Negative	cell death of endothelial cells	2.69E-05	86
	Rice				
Liver	straw	Negative	migration of cancer cells	2.76E-05	83
	Rice				
Liver	straw	Negative	proliferation of embryonic cells	2.79E-05	104
	Rice				
Liver	straw	Negative	mammary tumor	2.94E-05	613
	Rice				
Liver	straw	Negative	abnormal morphology of nervous system	2.94E-05	283
	Rice				
Liver	straw	Negative	vascularization	2.95E-05	99
	Rice				
Liver	straw	Negative	abnormal morphology of respiratory system	2.97E-05	126
	Rice				
Liver	straw	Negative	cell death of bone cancer cell lines	2.99E-05	76
	Rice				
Liver	straw	Negative	quantity of immunoglobulin	3.08E-05	122
	Rice				
Liver	straw	Negative	abnormal morphology of embryonic tissue	3.08E-05	217
	Rice				
Liver	straw	Negative	dysmyelination	3.08E-05	60
	Rice				
Liver	straw	Negative	formation of filopodia	3.13E-05	72
	Rice				
Liver	straw	Negative	apoptosis of sarcoma cell lines	3.16E-05	81
Liver	Rice	Negative	bone mineral density	3.17E-05	75

	straw				
	Rice				
Liver	straw	Negative	movement of vascular endothelial cells	3.18E-05	78
	Rice				
Liver	straw	Negative	degeneration of neurons	3.20E-05	100
	Rice				
Liver	straw	Negative	morphology of bone	3.32E-05	180
	Rice				
Liver	straw	Negative	dephosphorylation of protein	3.38E-05	80
	Rice				
Liver	straw	Negative	expansion of cells	3.48E-05	124
	Rice				
Liver	straw	Negative	transformation of fibroblast cell lines	3.54E-05	107
	Rice				
Liver	straw	Negative	permeability of cells	3.59E-05	46
	Rice				
Liver	straw	Negative	cell death of central nervous system cells	3.59E-05	120
	Rice				
Liver	straw	Negative	chemotaxis of myeloid cells	3.59E-05	120
	Rice				
Liver	straw	Negative	quantity of reactive oxygen species	3.63E-05	76
	Rice				
Liver	straw	Negative	production of reactive oxygen species	3.65E-05	148
	Rice				
Liver	straw	Negative	phagocytosis of cells	3.77E-05	112
	Rice				
Liver	straw	Negative	arrest in interphase	3.77E-05	167
	Rice				
Liver	straw	Negative	migration of smooth muscle cells	3.77E-05	65
	Rice				
Liver	straw	Negative	cell movement of macrophages	3.77E-05	110
	Rice				
Liver	straw	Negative	homing of leukocytes	3.82E-05	152
	Rice				
Liver	straw	Negative	concentration of phosphatidic acid	3.88E-05	60
	Rice				
Liver	straw	Negative	size of cells	3.99E-05	172
	Rice				
Liver	straw	Negative	recruitment of blood cells	4.02E-05	134
	Rice				
Liver	straw	Negative	multiple congenital anomalies	4.03E-05	169
	Rice				
Liver	straw	Negative	cell death of hematopoietic cells	4.04E-05	99
Liver	Rice	Negative	uptake of monosaccharide	4.04E-05	111

	straw				
	Rice				
Liver	straw	Negative	recruitment of leukocytes	4.11E-05	132
	Rice				
Liver	straw	Negative	autophagy	4.12E-05	151
	Rice				
Liver	straw	Negative	dysgenesis	4.12E-05	213
	Rice				
Liver	straw	Negative	generation of T lymphocytes	4.12E-05	52
	Rice				
Liver	straw	Negative	adhesion of tumor cell lines	4.14E-05	118
	Rice				
Liver	straw	Negative	synthesis of terpenoid	4.21E-05	116
	Rice				
Liver	straw	Negative	branching of neurites	4.26E-05	114
	Rice				
Liver	straw	Negative	formation of eye	4.35E-05	175
	Rice				
Liver	straw	Negative	experimentally-induced arthritis	4.40E-05	66
	Rice				
Liver	straw	Negative	advanced malignant tumor	4.50E-05	326
	Rice				
Liver	straw	Negative	permeability of epithelial tissue	4.65E-05	32
	Rice				
Liver	straw	Negative	cellular degradation	4.77E-05	105
	Rice				
Liver	straw	Negative	size of lesion	4.77E-05	105
	Rice				
Liver	straw	Negative	apoptosis of embryonic cells	4.79E-05	45
	Rice				
Liver	straw	Negative	experimentally-induced diabetes	4.82E-05	44
	Rice				
Liver	straw	Negative	morphology of muscle cells	4.96E-05	71
	Rice				
Liver	straw	Negative	activation of lymphocytes	4.96E-05	183
	Rice				
Liver	straw	Negative	recruitment of antigen presenting cells	4.98E-05	54
	Rice				
Liver	straw	Negative	morphology of blood cells	5.08E-05	166
	Rice				
Liver	straw	Negative	cell death of brain	5.09E-05	119
	Rice				
Liver	straw	Negative	chronic inflammatory disorder	5.10E-05	372
Liver	Rice	Negative	branching of neurons	5.18E-05	117

	straw				
	Rice				
Liver	straw	Negative	morphogenesis of neurites	5.24E-05	167
	Rice				
Liver	straw	Negative	degeneration of central nervous system	5.35E-05	58
	Rice				
Liver	straw	Negative	anoikis	5.56E-05	51
	Rice				
Liver	straw	Negative	phagocytosis	5.78E-05	121
	Rice				
Liver	straw	Negative	cell viability of cervical cancer cell lines	5.85E-05	92
	Rice				
Liver	straw	Negative	size of bone	6.27E-05	113
	Rice				
Liver	straw	Negative	neoplasia of cells	6.31E-05	176
	Rice				
Liver	straw	Negative	metabolism of DNA	6.37E-05	159
	Rice				
Liver	straw	Negative	engulfment of tumor cell lines	6.62E-05	63
	Rice				
Liver	straw	Negative	size of embryo	7.07E-05	143
	Rice				
Liver	straw	Negative	Wound	7.11E-05	94
	Rice				
Liver	straw	Negative	cell death of lymphatic system cells	7.39E-05	51
	Rice				
Liver	straw	Negative	concentration of cholesterol	7.51E-05	118
	Rice				
Liver	straw	Negative	migration of vascular endothelial cells	7.62E-05	71
	Rice				
Liver	straw	Negative	mass of connective tissue	7.74E-05	84
	Rice				
Liver	straw	Negative	allergy	7.76E-05	161
	Rice				
Liver	straw	Negative	apoptosis of T lymphocytes	7.80E-05	114
	Rice				
Liver	straw	Negative	G1 phase	7.92E-05	155
	Rice				
Liver	straw	Negative	adhesion of immune cells	7.94E-05	140
	Rice				
Liver	straw	Negative	cell movement of antigen presenting cells	7.94E-05	140
	Rice				
Liver	straw	Negative	apoptosis of mononuclear leukocytes	7.97E-05	143
Liver	Rice	Negative	morphology of lymphoid organ	8.18E-05	156

	straw				
	Rice				
Liver	straw	Negative	development of connective tissue cells	8.29E-05	92
	Rice				
Liver	straw	Negative	invasion of lung cancer cell lines	8.32E-05	47
	Rice				
Liver	straw	Negative	cell death of hematopoietic progenitor cells	8.34E-05	94
	Rice				
Liver	straw	Negative	differentiation of muscle cell lines	8.65E-05	69
	Rice				
Liver	straw	Negative	formation of lamellipodia	8.65E-05	69
	Rice				
Liver	straw	Negative	transport of D-glucose	8.78E-05	62
	Rice				
Liver	straw	Negative	regeneration of muscle	8.80E-05	37
	Rice				
Liver	straw	Negative	abdominal carcinoma	8.85E-05	2128
	Rice				
Liver	straw	Negative	seizure disorder	9.01E-05	185
	Rice				
Liver	straw	Negative	cell death of stem cells	9.04E-05	39
	Rice				
Liver	straw	Negative	abnormal morphology of lymph node	9.04E-05	65
	Rice				
Liver	straw	Negative	apoptosis of myeloid cells	9.26E-05	79
	Rice				
Liver	straw	Negative	cellular infiltration by granulocytes	9.53E-05	88
	Rice				
Liver	straw	Negative	cancer of cells	9.63E-05	104
	Rice				
Liver	straw	Negative	diabetic nephropathy	9.63E-05	64
	Rice				
Liver	straw	Negative	function of muscle	9.70E-05	139
	Rice				
Liver	straw	Negative	morphology of intestine	9.77E-05	94
	Rice				
Liver	straw	Negative	shape change of neurons	9.79E-05	118
	Rice				
Liver	straw	Negative	differentiation of epithelial cells	1.00E-04	126
	Rice				
Liver	straw	Negative	morphology of reproductive system	1.01E-04	209
	Rice				
Liver	straw	Negative	migration of carcinoma cell lines	1.05E-04	72
Liver	Rice	Negative	binding of endothelial cells	1.09E-04	47

	straw				
	Rice				
Liver	straw	Negative	shape change of neurites	1.09E-04	115
	Rice				
Liver	straw	Negative	cytopenia	1.10E-04	120
	Rice				
Liver	straw	Negative	concentration of sterol	1.13E-04	123
	Rice				
Liver	straw	Negative	function of phagocytes	1.13E-04	123
	Rice				
Liver	straw	Negative	cell death of myeloid cells	1.13E-04	88
	Rice				
Liver	straw	Negative	colorectal neoplasia	1.15E-04	1555
	Rice				
Liver	straw	Negative	expansion of blood cells	1.15E-04	94
	Rice				
Liver	straw	Negative	aggregation of blood cells	1.15E-04	96
	Rice				
Liver	straw	Negative	synthesis of polysaccharide	1.15E-04	76
	Rice				
Liver	straw	Negative	formation of lung	1.15E-04	121
	Rice				
Liver	straw	Negative	abnormal morphology of lymphoid organ	1.17E-04	150
	Rice				
Liver	straw	Negative	chemotaxis of leukocytes	1.19E-04	141
	Rice				
Liver	straw	Negative	serine phosphorylation	1.19E-04	43
	Rice				
Liver	straw	Negative	concentration of glutathione	1.22E-04	37
	Corn				
Liver	stover	Positive	proliferation of cells	1.19E-53	1663
	Corn				
Liver	stover	Positive	cancer	2.00E-40	4119
	Corn				
Liver	stover	Positive	cell death	2.00E-40	1472
	Corn				
Liver	stover	Positive	malignant solid tumor	4.04E-39	4069
	Corn				
Liver	stover	Positive	organismal death	6.73E-38	1100
	Corn				
Liver	stover	Positive	morbidity or mortality	8.40E-38	1112
	Corn				
Liver	stover	Positive	morphology of cells	2.19E-37	921
Liver	Corn	Positive	necrosis	1.05E-33	1150

	stover Corn				
Liver	stover Corn	Positive	apoptosis	2.22E-32	1171
Liver	stover Corn	Positive	cell movement	2.98E-32	972
Liver	stover Corn	Positive	organization of cytoplasm	6.47E-30	727
Liver	stover Corn	Positive	migration of cells	3.25E-28	867
Liver	stover Corn	Positive	neoplasia of epithelial tissue	3.12E-26	3378
Liver	stover Corn	Positive	tumorigenesis of tissue	4.41E-26	3428
Liver	stover Corn	Positive	epithelial cancer	1.18E-24	3339
Liver	stover Corn	Positive	organization of cytoskeleton	1.18E-24	651
Liver	stover Corn	Positive	cellular homeostasis	1.41E-24	701
Liver	stover Corn	Positive	vasculogenesis	4.30E-24	377
Liver	stover Corn	Positive	angiogenesis	6.11E-24	449
Liver	stover Corn	Positive	abnormal morphology of cells	3.18E-23	593
Liver	stover Corn	Positive	expression of RNA	4.05E-23	937
Liver	stover Corn	Positive	transcription	9.10E-23	877
Liver	stover Corn	Positive	abdominal neoplasm	2.09E-22	3330
Liver	stover Corn	Positive	cell survival	4.32E-22	639
Liver	stover Corn	Positive	transport of molecule	7.74E-22	724
Liver	stover Corn	Positive	quantity of cells	3.08E-21	782
Liver	stover Corn	Positive	abdominal cancer	7.15E-21	3284
Liver	stover Corn	Positive	differentiation of cells	9.89E-21	964
Liver	stover	Positive	cell death of tumor cell lines	1.06E-20	685
Liver	Corn	Positive	transcription of RNA	1.40E-20	813

	stover				
	Corn				
Liver	stover	Positive	invasion of cells	1.65E-20	421
	Corn				
Liver	stover	Positive	cell viability	3.10E-20	594
	Corn				
Liver	stover	Positive	cell movement of tumor cell lines	3.93E-20	412
	Corn				
Liver	stover	Positive	microtubule dynamics	2.25E-19	544
	Corn				
Liver	stover	Positive	Viral Infection	2.58E-19	712
	Corn				
Liver	stover	Positive	apoptosis of tumor cell lines	1.03E-18	552
	Corn				
Liver	stover	Positive	proliferation of tumor cell lines	1.71E-18	683
	Corn				
Liver	stover	Positive	cell death of connective tissue cells	1.71E-18	301
	Corn				
Liver	stover	Positive	morphology of cardiovascular system	4.16E-18	307
	Corn				
Liver	stover	Positive	digestive organ tumor	1.14E-17	2872
	Corn				
Liver	stover	Positive	digestive system cancer	1.14E-17	2847
	Corn				
Liver	stover	Positive	migration of tumor cell lines	1.48E-17	342
	Corn				
Liver	stover	Positive	quantity of leukocytes	2.17E-17	428
	Corn				
Liver	stover	Positive	quantity of blood cells	6.80E-17	471
	Corn				
Liver	stover	Positive	invasion of tumor cell lines	1.55E-16	321
	Corn				
Liver	stover	Positive	Movement Disorders	1.58E-16	482
	Corn				
Liver	stover	Positive	proliferation of blood cells	2.12E-16	394
	Corn				
Liver	stover	Positive	proliferation of connective tissue cells	3.06E-15	286
	Corn				
Liver	stover	Positive	morphology of body cavity	4.23E-15	529
	Corn				
Liver	stover	Positive	growth of connective tissue	4.33E-15	307
	Corn				
Liver	stover	Positive	proliferation of immune cells	4.82E-15	368
Liver	Corn	Positive	development of body trunk	4.96E-15	498

	stover				
	Corn				
Liver	stover	Positive	synthesis of lipid	8.57E-15	335
	Corn				
Liver	stover	Positive	protein kinase cascade	8.57E-15	211
	Corn				
Liver	stover	Positive	transcription of DNA	1.27E-14	658
	Corn				
Liver	stover	Positive	function of leukocytes	1.41E-14	260
	Corn				
Liver	stover	Positive	quantity of lymphocytes	1.59E-14	331
	Corn				
Liver	stover	Positive	quantity of mononuclear leukocytes	2.18E-14	342
	Corn				
Liver	stover	Positive	proliferation of mononuclear leukocytes	2.32E-14	343
	Corn				
Liver	stover	Positive	growth of epithelial tissue	2.32E-14	319
	Corn				
Liver	stover	Positive	autosomal recessive disease	2.83E-14	417
	Corn				
Liver	stover	Positive	proliferation of lymphocytes	2.83E-14	338
	Corn				
Liver	stover	Positive	survival of organism	3.13E-14	328
	Corn				
Liver	stover	Positive	function of blood cells	4.30E-14	279
	Corn				
Liver	stover	Positive	formation of cellular protrusions	5.74E-14	408
	Corn				
Liver	stover	Positive	abnormal morphology of body cavity	7.31E-14	502
	Corn				
Liver	stover	Positive	organization of organelle	8.84E-14	258
	Corn				
Liver	stover	Positive	concentration of lipid	9.79E-14	370
	Corn				
Liver	stover	Positive	size of body	1.78E-13	385
	Corn				
Liver	stover	Positive	cell death of fibroblast cell lines	2.17E-13	209
	Corn				
Liver	stover	Positive	benign neoplasia	2.92E-13	414
	Corn				
Liver	stover	Positive	migration of blood cells	2.92E-13	393
	Corn				
Liver	stover	Positive	cell death of blood cells	2.97E-13	320
Liver	Corn	Positive	leukocyte migration	3.60E-13	392

	stover Corn				
Liver	stover Corn	Positive	abnormal morphology of cardiovascular system	5.27E-13	267
Liver	stover Corn	Positive	development of vasculature	5.46E-13	204
Liver	stover Corn	Positive	transactivation	6.67E-13	271
Liver	stover Corn	Positive	abnormal morphology of thoracic cavity	9.14E-13	274
Liver	stover Corn	Positive	apoptosis of fibroblast cell lines	1.28E-12	164
Liver	stover Corn	Positive	neuronal cell death	1.71E-12	312
Liver	stover Corn	Positive	disorder of basal ganglia	2.55E-12	346
Liver	stover Corn	Positive	development of cytoplasm	3.10E-12	220
Liver	stover Corn	Positive	growth of organism	3.90E-12	373
Liver	stover Corn	Positive	cell cycle progression	4.33E-12	456
Liver	stover Corn	Positive	phosphorylation of protein	4.89E-12	332
Liver	stover Corn	Positive	cell death of immune cells	5.49E-12	301
Liver	stover Corn	Positive	cell movement of leukocytes	7.08E-12	344
Liver	stover Corn	Positive	cell transformation	7.68E-12	218
Liver	stover Corn	Positive	proliferation of fibroblast cell lines	9.83E-12	202
Liver	stover Corn	Positive	abnormal morphology of abdomen	1.10E-11	387
Liver	stover Corn	Positive	cell viability of tumor cell lines	1.76E-11	347
Liver	stover Corn	Positive	development of blood cells	1.77E-11	296
Liver	stover Corn	Positive	cell movement of myeloid cells	2.83E-11	249
Liver	stover Corn	Positive	development of leukocytes	2.83E-11	269
Liver	stover	Positive	necrosis of epithelial tissue	2.83E-11	269
Liver	Corn	Positive	morphology of lymphatic system component	3.76E-11	197

	stover Corn				
Liver	stover Corn	Positive	degeneration of nervous system	3.83E-11	142
Liver	stover Corn	Positive	quantity of connective tissue	4.33E-11	274
Liver	stover Corn	Positive	infection by Retroviridae	4.91E-11	321
Liver	stover Corn	Positive	ubiquitination	4.91E-11	163
Liver	stover Corn	Positive	interphase	6.41E-11	295
Liver	stover Corn	Positive	metabolism of membrane lipid derivative	6.79E-11	184
Liver	stover Corn	Positive	formation of cytoskeleton	7.44E-11	179
Liver	stover Corn	Positive	fatty acid metabolism	7.95E-11	272
Liver	stover Corn	Positive	quantity of T lymphocytes	8.53E-11	245
Liver	stover Corn	Positive	ubiquitination of protein	8.88E-11	160
Liver	stover Corn	Positive	cell death of epithelial cells	9.67E-11	229
Liver	stover Corn	Positive	proliferation of T lymphocytes	9.85E-11	273
Liver	stover Corn	Positive	proliferation of hematopoietic cells	1.00E-10	127
Liver	stover Corn	Positive	activation of DNA endogenous promoter	1.19E-10	511
Liver	stover Corn	Positive	neuromuscular disease	1.33E-10	384
Liver	stover Corn	Positive	growth of embryo	1.52E-10	220
Liver	stover Corn	Positive	perinatal death	1.67E-10	268
Liver	stover Corn	Positive	development of cardiovascular tissue	1.70E-10	175
Liver	stover Corn	Positive	development of lymphocytes	1.97E-10	251
Liver	stover Corn	Positive	infection by lentivirus	2.12E-10	316
Liver	stover	Positive	HIV infection	2.29E-10	315
Liver	Corn	Positive	adenocarcinoma	2.51E-10	2451

	stover				
	Corn				
Liver	stover	Positive	metabolism of carbohydrate	2.58E-10	278
	Corn				
Liver	stover	Positive	infection by RNA virus	2.74E-10	376
	Corn				
Liver	stover	Positive	development of mononuclear leukocytes	2.89E-10	252
	Corn				
Liver	stover	Positive	small GTPase mediated signal transduction	3.15E-10	95
	Corn				
Liver	stover	Positive	development of epithelial tissue	3.26E-10	235
	Corn				
Liver	stover	Positive	cell movement of phagocytes	3.89E-10	248
	Corn				
Liver	stover	Positive	neurological signs	4.72E-10	289
	Corn				
Liver	stover	Positive	replication of RNA virus	4.72E-10	230
	Corn				
Liver	stover	Positive	Neurodegeneration	4.84E-10	148
	Corn				
Liver	stover	Positive	transactivation of RNA	5.68E-10	245
	Corn				
Liver	stover	Positive	colony formation	6.04E-10	242
	Corn				
Liver	stover	Positive	differentiation of connective tissue cells	6.35E-10	285
	Corn				
Liver	stover	Positive	Organ Degeneration	7.26E-10	224
	Corn				
Liver	stover	Positive	morphology of lymphoid organ	7.79E-10	182
	Corn				
Liver	stover	Positive	dyskinesia	8.25E-10	274
	Corn				
Liver	stover	Positive	development of connective tissue	9.41E-10	173
	Corn				
Liver	stover	Positive	morphology of connective tissue	1.00E-09	210
	Corn				
Liver	stover	Positive	proliferation of hematopoietic progenitor cells	1.00E-09	119
	Corn				
Liver	stover	Positive	morphology of vessel	1.03E-09	146
	Corn				
Liver	stover	Positive	apoptosis of blood cells	1.17E-09	224
	Corn				
Liver	stover	Positive	morphology of heart	1.17E-09	187
Liver	Corn	Positive	autophagy	1.28E-09	174

	stover Corn				
Liver	stover Corn	Positive	Lymphocyte homeostasis	1.29E-09	244
Liver	stover Corn	Positive	apoptosis of connective tissue cells	1.32E-09	141
Liver	stover Corn	Positive	quantity of lymphatic system component	1.44E-09	175
Liver	stover Corn	Positive	fibrogenesis	1.45E-09	189
Liver	stover Corn	Positive	endothelial cell development	1.49E-09	165
Liver	stover Corn	Positive	colony formation of cells	1.55E-09	222
Liver	stover Corn	Positive	breast or ovarian cancer	1.60E-09	770
Liver	stover Corn	Positive	development of endothelial tissue	1.60E-09	170
Liver	stover Corn	Positive	abdominal adenocarcinoma	1.66E-09	2229
Liver	stover Corn	Positive	development of lymphatic system	1.67E-09	166
Liver	stover Corn	Positive	replication of virus	1.69E-09	250
Liver	stover Corn	Positive	development of lymphatic system component	1.90E-09	146
Liver	stover Corn	Positive	homeostasis of leukocytes	2.13E-09	247
Liver	stover Corn	Positive	quantity of carbohydrate	2.22E-09	232
Liver	stover Corn	Positive	activation of cells	2.43E-09	414
Liver	stover Corn	Positive	cell death of fibroblasts	2.43E-09	127
Liver	stover Corn	Positive	abnormal morphology of epithelial tissue	2.49E-09	191
Liver	stover Corn	Positive	metabolism of protein	2.49E-09	412
Liver	stover Corn	Positive	morphology of digestive system	2.80E-09	253
Liver	stover Corn	Positive	cellular infiltration by leukocytes	2.90E-09	178
Liver	stover	Positive	engulfment of cells	2.90E-09	186
Liver	Corn	Positive	abnormal morphology of digestive system	3.01E-09	242

	stover Corn				
Liver	stover Corn	Positive	female genital tract serous cancer	3.06E-09	177
Liver	stover Corn	Positive	T cell development	3.07E-09	225
Liver	stover Corn	Positive	chorea	3.14E-09	255
Liver	stover Corn	Positive	differentiation of connective tissue	3.37E-09	316
Liver	stover Corn	Positive	Huntington's Disease	3.37E-09	254
Liver	stover Corn	Positive	concentration of phospholipid	3.39E-09	92
Liver	stover Corn	Positive	autosomal dominant disease	3.59E-09	279
Liver	stover Corn	Positive	arthropathy	3.82E-09	403
Liver	stover Corn	Positive	cell movement of neutrophils	3.84E-09	140
Liver	stover Corn	Positive	morphology of bone	4.05E-09	203
Liver	stover Corn	Positive	congenital anomaly of musculoskeletal system	4.12E-09	318
Liver	stover Corn	Positive	advanced malignant tumor	4.45E-09	361
Liver	stover Corn	Positive	secretion of molecule	4.51E-09	244
Liver	stover Corn	Positive	infection of cells	4.60E-09	342
Liver	stover Corn	Positive	cellular infiltration of cells	4.63E-09	181
Liver	stover Corn	Positive	quantity of lymphoid organ	4.63E-09	144
Liver	stover Corn	Positive	cell death of T lymphocytes	4.78E-09	147
Liver	stover Corn	Positive	vascularization	4.78E-09	114
Liver	stover Corn	Positive	proliferation of epithelial cells	4.91E-09	220
Liver	stover Corn	Positive	breast or colorectal cancer	5.41E-09	1885
Liver	stover	Positive	abnormal morphology of lymphoid organ	5.42E-09	173
Liver	Corn	Positive	formation of leukocytes	5.44E-09	81

	stover Corn				
Liver	stover Corn	Positive	differentiation of leukocytes	5.48E-09	292
Liver	stover Corn	Positive	synthesis of carbohydrate	6.05E-09	192
Liver	stover Corn	Positive	endocytosis	6.23E-09	159
Liver	stover Corn	Positive	experimentally-induced diabetes	6.23E-09	53
Liver	stover Corn	Positive	morphology of blood vessel	6.56E-09	133
Liver	stover Corn	Positive	genital tumor	6.83E-09	1548
Liver	stover Corn	Positive	cellular infiltration	6.95E-09	197
Liver	stover Corn	Positive	arthritis	7.26E-09	395
Liver	stover Corn	Positive	quantity of B lymphocytes	7.45E-09	159
Liver	stover Corn	Positive	synthesis of fatty acid	7.87E-09	145
Liver	stover Corn	Positive	morphology of nervous system	8.38E-09	335
Liver	stover Corn	Positive	peripheral vascular disease	9.16E-09	173
Liver	stover Corn	Positive	homing of cells	9.48E-09	245
Liver	stover Corn	Positive	formation of blood cells	9.56E-09	97
Liver	stover Corn	Positive	formation of filaments	9.56E-09	180
Liver	stover Corn	Positive	formation of lymphoid organ	9.56E-09	125
Liver	stover Corn	Positive	formation of cells	9.73E-09	412
Liver	stover Corn	Positive	growth of lesion	1.01E-08	340
Liver	stover Corn	Positive	T cell homeostasis	1.03E-08	228
Liver	stover Corn	Positive	function of phagocytes	1.13E-08	142
Liver	stover	Positive	differentiation of epithelial tissue	1.13E-08	164
Liver	Corn	Positive	growth of tumor	1.22E-08	339

	stover				
	Corn				
Liver	stover	Positive	formation of lymphatic system component	1.29E-08	136
	Corn				
Liver	stover	Positive	cell death of epithelial cell lines	1.29E-08	132
	Corn				
Liver	stover	Positive	gastrointestinal carcinoma	1.40E-08	1722
	Corn				
Liver	stover	Positive	infection by HIV-1	1.41E-08	265
	Corn				
Liver	stover	Positive	serous neoplasm	1.41E-08	265
	Corn				
Liver	stover	Positive	cell death of mononuclear leukocytes	1.42E-08	179
	Corn				
Liver	stover	Positive	cell movement of granulocytes	1.48E-08	168
	Corn				
Liver	stover	Positive	abnormal morphology of bone	1.48E-08	195
	Corn				
Liver	stover	Positive	binding of DNA	1.70E-08	229
	Corn				
Liver	stover	Positive	degeneration of cells	1.75E-08	157
	Corn				
Liver	stover	Positive	morphology of head	1.84E-08	369
	Corn				
Liver	stover	Positive	I-kappaB kinase/NF-kappaB cascade	1.87E-08	86
	Corn				
Liver	stover	Positive	homing	1.91E-08	250
	Corn				
Liver	stover	Positive	formation of skin	2.01E-08	166
	Corn				
Liver	stover	Positive	function of myeloid cells	2.01E-08	113
	Corn				
Liver	stover	Positive	gonadal tumor	2.02E-08	347
	Corn				
Liver	stover	Positive	morphology of skin	2.03E-08	127
	Corn				
Liver	stover	Positive	concentration of fatty acid	2.15E-08	130
	Corn				
Liver	stover	Positive	metabolism of phospholipid	2.16E-08	111
	Corn				
Liver	stover	Positive	epileptic seizure	2.52E-08	83
	Corn				
Liver	stover	Positive	cell movement of endothelial cells	3.02E-08	160
Liver	Corn	Positive	cell death of lymphocytes	3.02E-08	173

	stover Corn				
Liver	stover Corn	Positive	apoptosis of leukocytes	3.19E-08	202
Liver	stover Corn	Positive	size of embryo	3.37E-08	161
Liver	stover Corn	Positive	congenital malformation of skeleton	3.37E-08	188
Liver	stover Corn	Positive	behavior	3.41E-08	411
Liver	stover Corn	Positive	differentiation of bone	3.44E-08	183
Liver	stover Corn	Positive	development of abdomen	3.44E-08	251
Liver	stover Corn	Positive	development of head	3.44E-08	408
Liver	stover Corn	Positive	sprouting	3.52E-08	173
Liver	stover Corn	Positive	cell spreading	3.62E-08	128
Liver	stover Corn	Positive	synthesis of nitric oxide	3.62E-08	128
Liver	stover Corn	Positive	concentration of phosphatidic acid	3.78E-08	69
Liver	stover Corn	Positive	adenoma	3.95E-08	240
Liver	stover Corn	Positive	apoptosis of cervical cancer cell lines	3.98E-08	130
Liver	stover Corn	Positive	quantity of immunoglobulin	4.24E-08	136
Liver	stover Corn	Positive	abnormal morphology of head	4.24E-08	350
Liver	stover Corn	Positive	size of animal	4.27E-08	87
Liver	stover Corn	Positive	proliferation of fibroblasts	4.45E-08	159
Liver	stover Corn	Positive	proliferation of neuronal cells	4.45E-08	249
Liver	stover Corn	Positive	generation of leukocytes	4.45E-08	80
Liver	stover Corn	Positive	differentiation of bone cells	4.53E-08	181
Liver	stover	Positive	synthesis of DNA	4.70E-08	185
Liver	Corn	Positive	cell death of cervical cancer cell lines	4.70E-08	158

	stover Corn				
Liver	stover Corn	Positive	development of body axis	4.72E-08	434
Liver	stover Corn	Positive	tumorigenesis of gonad	5.07E-08	340
Liver	stover Corn	Positive	cell death of liver	5.11E-08	112
Liver	stover Corn	Positive	abdominal carcinoma	5.18E-08	2242
Liver	stover Corn	Positive	activation of enzyme	5.66E-08	173
Liver	stover Corn	Positive	recruitment of cells	5.85E-08	160
Liver	stover Corn	Positive	growth of skin	5.89E-08	103
Liver	stover Corn	Positive	generation of blood cells	5.89E-08	81
Liver	stover Corn	Positive	gastrointestinal tract cancer	6.02E-08	1905
Liver	stover Corn	Positive	G1 phase	6.67E-08	173
Liver	stover Corn	Positive	necrosis of liver	6.70E-08	111
Liver	stover Corn	Positive	hypersensitive reaction	7.79E-08	189
Liver	stover Corn	Positive	abnormal morphology of lymph node	8.00E-08	75
Liver	stover Corn	Positive	morphology of lymph node	8.02E-08	79
Liver	stover Corn	Positive	Oral Cancer and Tumors	8.04E-08	107
Liver	stover Corn	Positive	metastasis	8.18E-08	320
Liver	stover Corn	Positive	growth of lymphatic system component	8.48E-08	92
Liver	stover Corn	Positive	Ovarian Cancer and Tumors	8.80E-08	319
Liver	stover Corn	Positive	craniofacial abnormality	8.80E-08	159
Liver	stover Corn	Positive	quantity of hematopoietic cells	9.96E-08	194
Liver	stover	Positive	differentiation of blood cells	1.03E-07	352
Liver	Corn	Positive	oral cancer	1.06E-07	106

	stover Corn				
Liver	stover Corn	Positive	cell death of liver cells	1.07E-07	93
Liver	stover Corn	Positive	apoptosis of epithelial cells	1.07E-07	130
Liver	stover Corn	Positive	function of mononuclear leukocytes	1.11E-07	153
Liver	stover Corn	Positive	neoplasia of cells	1.15E-07	194
Liver	stover Corn	Positive	arrest in interphase	1.18E-07	183
Liver	stover Corn	Positive	organization of filaments	1.19E-07	97
Liver	stover Corn	Positive	quantity of hematopoietic progenitor cells	1.23E-07	193
Liver	stover Corn	Positive	uptake of monosaccharide	1.31E-07	123
Liver	stover Corn	Positive	migration of endothelial cells	1.38E-07	147
Liver	stover Corn	Positive	mammary tumor	1.39E-07	652
Liver	stover Corn	Positive	multiple congenital anomalies	1.39E-07	185
Liver	stover Corn	Positive	function of lymphocytes	1.40E-07	152
Liver	stover Corn	Positive	cell viability of carcinoma cell lines	1.41E-07	71
Liver	stover Corn	Positive	cardiogenesis	1.42E-07	205
Liver	stover Corn	Positive	morphology of cardiovascular tissue	1.42E-07	47
Liver	stover Corn	Positive	quantity of thymus gland	1.49E-07	108
Liver	stover Corn	Positive	abnormal morphology of embryonic tissue	1.57E-07	235
Liver	stover Corn	Positive	development of neurons	1.57E-07	327
Liver	stover Corn	Positive	growth of muscle tissue	1.57E-07	165
Liver	stover Corn	Positive	paraproteinemia	1.57E-07	150
Liver	stover	Positive	abnormal morphology of heart	1.65E-07	169
Liver	Corn	Positive	quantity of epithelial tissue	1.67E-07	85

	stover Corn				
Liver	stover Corn	Positive	proliferation of muscle cells	1.68E-07	164
Liver	stover Corn	Positive	Gastrointestinal Tract Cancer and Tumors	1.70E-07	1929
Liver	stover Corn	Positive	midline defect	1.75E-07	121
Liver	stover Corn	Positive	production of antibody	1.75E-07	140
Liver	stover Corn	Positive	apoptosis of epithelial cell lines	1.76E-07	104
Liver	stover Corn	Positive	morphology of secondary lymphoid organ	1.83E-07	127
Liver	stover Corn	Positive	expansion of cells	1.87E-07	136
Liver	stover Corn	Positive	cell death of skin	1.98E-07	54
Liver	stover Corn	Positive	degeneration of neurons	2.07E-07	110
Liver	stover Corn	Positive	development of hematopoietic system	2.07E-07	114
Liver	stover Corn	Positive	function of cardiovascular system	2.10E-07	163
Liver	stover Corn	Positive	uptake of carbohydrate	2.11E-07	131
Liver	stover Corn	Positive	quantity of phagocytes	2.11E-07	185
Liver	stover Corn	Positive	Dermatitis	2.13E-07	189
Liver	stover Corn	Positive	differentiation of embryonic tissue	2.28E-07	116
Liver	stover Corn	Positive	chemotaxis of cells	2.31E-07	226
Liver	stover Corn	Positive	proliferation of epidermal cells	2.32E-07	81
Liver	stover Corn	Positive	plasma cell dyscrasia	2.33E-07	149
Liver	stover Corn	Positive	organization of actin cytoskeleton	2.37E-07	135
Liver	stover Corn	Positive	cell viability of connective tissue cells	2.37E-07	66
Liver	stover	Positive	differentiation of epithelial cells	2.47E-07	140
Liver	Corn	Positive	differentiation of lymphocytes	2.47E-07	214

	stover Corn				
Liver	stover Corn	Positive	differentiation of embryonic cells	2.60E-07	105
Liver	stover Corn	Positive	morphology of respiratory system	2.62E-07	139
Liver	stover Corn	Positive	proliferation of endothelial cells	2.62E-07	139
Liver	stover Corn	Positive	ovarian cancer	2.78E-07	298
Liver	stover Corn	Positive	function of antigen presenting cells	2.79E-07	112
Liver	stover Corn	Positive	morphology of spleen	2.80E-07	126
Liver	stover Corn	Positive	production of protein	2.81E-07	146
Liver	stover Corn	Positive	ion homeostasis of cells	2.81E-07	237
Liver	stover Corn	Positive	Inflammatory Bowel Disease	3.21E-07	117
Liver	stover Corn	Positive	recruitment of leukocytes	3.22E-07	144
Liver	stover Corn	Positive	inflammation of organ	3.31E-07	475
Liver	stover Corn	Positive	generation of lymphocytes	3.34E-07	69
Liver	stover Corn	Positive	Rheumatic Disease	3.50E-07	438
Liver	stover Corn	Positive	peripheral arterial disease	3.56E-07	98
Liver	stover Corn	Positive	chemotaxis	3.59E-07	232
Liver	stover Corn	Positive	Growth Failure	3.81E-07	253
Liver	stover Corn	Positive	seizure disorder	3.94E-07	202
Liver	stover Corn	Positive	formation of osteoclasts	4.02E-07	61
Liver	stover Corn	Positive	apoptosis of skin	4.09E-07	49
Liver	stover Corn	Positive	recruitment of macrophages	4.13E-07	54
Liver	stover	Positive	inflammatory response	4.19E-07	323
Liver	Corn	Positive	female genital neoplasm	4.23E-07	1351

	stover				
	Corn				
Liver	stover	Positive	blood protein disorder	4.26E-07	164
	Corn				
Liver	stover	Positive	apoptosis of liver	4.27E-07	76
	Corn				
Liver	stover	Positive	formation of lung	4.28E-07	134
	Corn				
Liver	stover	Positive	cellular degradation	4.33E-07	115
	Corn				
Liver	stover	Positive	abnormal morphology of nervous system	4.33E-07	302
	Corn				
Liver	stover	Positive	cell death of breast cancer cell lines	4.33E-07	147
	Corn				
Liver	stover	Positive	cell death of keratinocytes	4.38E-07	46
	Corn				
Liver	stover	Positive	generation of mononuclear leukocytes	4.42E-07	70
	Corn				
Liver	stover	Positive	development of digestive system	4.65E-07	167
	Corn				
Liver	stover	Positive	synthesis of phospholipid	4.73E-07	83
	Corn				
Liver	stover	Positive	production of reactive oxygen species	4.73E-07	160
	Corn				
Liver	stover	Positive	mitosis	4.74E-07	212
	Corn				
Liver	stover	Positive	cell death of heart cells	4.74E-07	101
	Corn				
Liver	stover	Positive	apoptosis of dermal cells	4.88E-07	47
	Corn				
Liver	stover	Positive	cell death of embryonic cells	4.93E-07	58
	Corn				
Liver	stover	Positive	apoptosis of hematopoietic cell lines	4.94E-07	95
	Corn				
Liver	stover	Positive	apoptosis of fibroblasts	4.94E-07	100
	Corn				
Liver	stover	Positive	cell death of heart	5.05E-07	104
	Corn				
Liver	stover	Positive	maturation of cells	5.11E-07	196
	Corn				
Liver	stover	Positive	morphology of endothelial tissue	5.13E-07	44
	Corn				
Liver	stover	Positive	recruitment of antigen presenting cells	5.23E-07	60
Liver	Corn	Positive	abnormal morphology of respiratory system	5.23E-07	136

	stover				
	Corn				
Liver	stover	Positive	cell death of epidermal cells	5.34E-07	48
	Corn				
Liver	stover	Positive	neuritogenesis	5.40E-07	246
	Corn				
Liver	stover	Positive	Bleeding	5.57E-07	183
	Corn				
Liver	stover	Positive	cell death of tumor	5.69E-07	166
	Corn				
Liver	stover	Positive	growth of embryonic tissue	5.70E-07	123
	Corn				
Liver	stover	Positive	recruitment of blood cells	5.70E-07	145
	Corn				
Liver	stover	Positive	quantity of thymocytes	5.86E-07	105
	Corn				
Liver	stover	Positive	branching of cells	5.89E-07	161
	Corn				
Liver	stover	Positive	synthesis of reactive oxygen species	5.91E-07	205
	Corn				
Liver	stover	Positive	proliferation of dermal cells	5.92E-07	83
	Corn				
Liver	stover	Positive	abnormal morphology of blood vessel	5.94E-07	119
	Corn				
Liver	stover	Positive	cell viability of blood cells	6.00E-07	128
	Corn				
Liver	stover	Positive	apoptosis of T lymphocytes	6.00E-07	125
	Corn				
Liver	stover	Positive	apoptosis of mononuclear leukocytes	6.01E-07	156
	Corn				
Liver	stover	Positive	differentiation of mononuclear leukocytes	6.14E-07	229
	Corn				
Liver	stover	Positive	cell death of dermal cells	6.24E-07	50
	Corn				
Liver	stover	Positive	proliferation of smooth muscle cells	6.35E-07	127
	Corn				
Liver	stover	Positive	cytopenia	6.64E-07	132
	Corn				
Liver	stover	Positive	S phase	6.64E-07	117
	Corn				
Liver	stover	Positive	abnormal morphology of skin	6.66E-07	110
	Corn				
Liver	stover	Positive	learning	6.73E-07	180
Liver	Corn	Positive	polymerization of protein	6.73E-07	161

	stover Corn				
Liver	stover Corn	Positive	apoptosis of keratinocytes	6.73E-07	43
Liver	stover Corn	Positive	apoptosis of neurons	7.18E-07	187
Liver	stover Corn	Positive	tumorigenesis of genital organ	7.18E-07	1478
Liver	stover Corn	Positive	benign neoplasm of female genital organ	7.20E-07	183
Liver	stover Corn	Positive	dysgenesis	7.40E-07	228
Liver	stover Corn	Positive	quantity of IgG	7.88E-07	103
Liver	stover Corn	Positive	apoptosis of muscle	8.02E-07	117
Liver	stover Corn	Positive	transmembrane potential of mitochondria	8.16E-07	98
Liver	stover Corn	Positive	genital tract cancer	8.39E-07	1465
Liver	stover Corn	Positive	cognition	8.63E-07	194
Liver	stover Corn	Positive	apoptosis of epidermal cells	8.64E-07	45
Liver	stover Corn	Positive	seizures	8.91E-07	172
Liver	stover Corn	Positive	quantity of glycosphingolipid	9.08E-07	50
Liver	stover Corn	Positive	autophagy of cells	9.11E-07	118
Liver	stover Corn	Positive	migration of connective tissue cells	9.26E-07	84
Liver	stover Corn	Positive	apoptosis of liver cells	9.41E-07	74
Liver	stover Corn	Positive	cell death of hematopoietic cells	9.57E-07	107
Liver	stover Corn	Positive	skin abnormality	9.65E-07	103
Liver	stover Corn	Positive	formation of actin filaments	9.72E-07	134
Liver	stover Corn	Positive	chronic inflammatory disorder	9.72E-07	395
Liver	stover	Positive	neoplasia of tumor cell lines	9.78E-07	139
Liver	Corn	Positive	accumulation of cells	9.98E-07	153

	stover Corn				
Liver	stover Corn	Positive	bone mineral density	1.01E-06	81
Liver	stover Corn	Positive	morphogenesis of neurons	1.01E-06	182
Liver	stover Corn	Positive	apoptosis of muscle cells	1.01E-06	116
Liver	stover Corn	Positive	allergy	1.02E-06	174
Liver	stover Corn	Positive	uptake of D-hexose	1.06E-06	101
Liver	stover Corn	Positive	proliferation of lymphatic system cells	1.06E-06	92
Liver	stover Corn	Positive	adhesion of tumor cell lines	1.07E-06	127
Liver	stover Corn	Positive	metabolism of nucleic acid component or derivative	1.09E-06	219
Liver	stover Corn	Positive	cell death of hematopoietic cell lines	1.11E-06	104
Liver	stover Corn	Positive	uptake of D-glucose	1.11E-06	100
Liver	stover Corn	Positive	immune response of cells	1.13E-06	240
Liver	stover Corn	Positive	necrosis of tumor	1.14E-06	164
Liver	stover Corn	Positive	cell death of muscle cells	1.16E-06	146
Liver	stover Corn	Positive	cell surface receptor linked signal transduction	1.25E-06	130
Liver	stover Corn	Positive	morphology of reproductive system	1.31E-06	225
Liver	stover Corn	Positive	apoptosis of heart cells	1.31E-06	87
Liver	stover Corn	Positive	formation of plasma membrane projections	1.33E-06	249
Liver	stover Corn	Positive	migration of fibroblasts	1.33E-06	68
Liver	stover Corn	Positive	metabolism of reactive oxygen species	1.34E-06	211
Liver	stover Corn	Positive	neonatal death	1.40E-06	187
Liver	stover	Positive	growth of neurites	1.42E-06	196
Liver	Corn	Positive	apoptosis of lymphocytes	1.42E-06	150

	stover Corn				
Liver	stover Corn	Positive	differentiation of tumor cell lines	1.42E-06	163
Liver	stover Corn	Positive	recruitment of phagocytes	1.43E-06	110
Liver	stover Corn	Positive	migration of muscle cells	1.45E-06	77
Liver	stover Corn	Positive	transport of protein	1.54E-06	132
Liver	stover Corn	Positive	activation of Protein kinase	1.55E-06	112
Liver	stover Corn	Positive	abnormal morphology of spleen	1.56E-06	118
Liver	stover Corn	Positive	MAPKKK cascade	1.57E-06	93
Liver	stover Corn	Positive	respiratory system development	1.63E-06	148
Liver	stover Corn	Positive	breast cancer	1.65E-06	601
Liver	stover Corn	Positive	development of connective tissue cells	1.68E-06	100
Liver	stover Corn	Positive	concentration of acylglycerol	1.71E-06	145
Liver	stover Corn	Positive	apoptosis of embryonic cells	1.75E-06	49
Liver	stover Corn	Positive	generation of cells	1.76E-06	116
Liver	stover Corn	Positive	invasion of carcinoma cell lines	1.80E-06	90
Liver	stover Corn	Positive	degeneration of central nervous system	1.80E-06	63
Liver	stover Corn	Positive	cell death of hematopoietic progenitor cells	1.85E-06	102
Liver	stover Corn	Positive	cell movement of fibroblasts	1.85E-06	84
Liver	stover Corn	Positive	export of molecule	1.86E-06	129
Liver	stover Corn	Positive	aggregation of cells	1.91E-06	141
Liver	stover Corn	Positive	cell movement of muscle cells	1.92E-06	83
Liver	stover	Positive	growth of plasma membrane projections	1.93E-06	197
Liver	Corn	Positive	function of macrophages	1.99E-06	82

	stover Corn				
Liver	stover Corn	Positive	Hypoplasia	2.03E-06	212
Liver	stover Corn	Positive	quantity of protein in blood	2.14E-06	213
Liver	stover Corn	Positive	formation of connective tissue cells	2.18E-06	95
Liver	stover Corn	Positive	proliferation of breast cancer cell lines	2.26E-06	184
Liver	stover Corn	Positive	binding of protein binding site	2.28E-06	126
Liver	stover Corn	Positive	generation of T lymphocytes	2.29E-06	56
Liver	stover Corn	Positive	cell movement of macrophages	2.39E-06	117
Liver	stover Corn	Positive	apoptosis of hepatocytes	2.42E-06	63
Liver	stover Corn	Positive	apoptosis of hematopoietic cells	2.42E-06	97
Liver	stover Corn	Positive	congenital anomaly of skin	2.54E-06	82
Liver	stover Corn	Positive	arrest in proliferation of cells	2.55E-06	96
Liver	stover Corn	Positive	cell death of cardiomyocytes	2.55E-06	96
Liver	stover Corn	Positive	cell death of muscle	2.58E-06	148
Liver	stover Corn	Positive	activation of leukocytes	2.66E-06	287
Liver	stover Corn	Positive	quantity of metal ion	2.70E-06	187
Liver	stover Corn	Positive	abnormal morphology of reproductive system	2.72E-06	213
Liver	stover Corn	Positive	growth of lymphoid organ	2.84E-06	79
Liver	stover Corn	Positive	cell death of sarcoma cell lines	2.92E-06	101
Liver	stover Corn	Positive	apoptosis of cardiomyocytes	2.94E-06	84
Liver	stover Corn	Positive	cell death of central nervous system cells	3.00E-06	127
Liver	stover	Positive	quantity of IgM	3.17E-06	65
Liver	Corn	Positive	formation of actin stress fibers	3.24E-06	106

	stover				
	Corn				
Liver	stover	Positive	necrosis of muscle	3.24E-06	147
	Corn				
Liver	stover	Positive	cell death of B-lymphocyte derived cell lines	3.25E-06	61
	Corn				
Liver	stover	Positive	formation of thymus gland	3.26E-06	75
	Corn				
Liver	stover	Positive	morphogenesis of neurites	3.26E-06	177
	Corn				
Liver	stover	Positive	activation of blood cells	3.29E-06	305
	Corn				
Liver	stover	Positive	urogenital cancer	3.44E-06	1665
	Corn				
Liver	stover	Positive	phosphorylation of L-amino acid	3.45E-06	98
	Corn		intermediate disease stage peripheral arterial		
Liver	stover	Positive	disease	3.45E-06	73
	Corn				
Liver	stover	Positive	necrosis of cardiac muscle	3.65E-06	97
	Corn				
Liver	stover	Positive	transformation of fibroblast cell lines	3.68E-06	113
	Corn				
Liver	stover	Positive	migration of smooth muscle cells	3.86E-06	69
	Corn				
Liver	stover	Positive	differentiation of T lymphocytes	3.91E-06	161
	Corn				
Liver	stover	Positive	quantity of metal	3.91E-06	208
	Corn				
Liver	stover	Positive	formation of filopodia	4.03E-06	76
	Corn				
Liver	stover	Positive	function of T lymphocytes	4.15E-06	114
	Corn				
Liver	stover	Positive	migration of breast cancer cell lines	4.18E-06	108
	Corn				
Liver	stover	Positive	cell death of tumor cells	4.19E-06	158
	Corn				
Liver	stover	Positive	mass of organism	4.28E-06	143
	Corn				
Liver	stover	Positive	female genital tract serous carcinoma	4.29E-06	90
	Corn				
Liver	stover	Positive	cell movement of smooth muscle cells	4.30E-06	74
	Corn				
Liver	stover	Positive	accumulation of lipid	4.30E-06	129
Liver	Corn	Positive	long-term potentiation	4.42E-06	107

	stover Corn				
Liver	stover Corn	Positive	cellular infiltration by macrophages	4.43E-06	73
Liver	stover Corn	Positive	cell death of brain	4.46E-06	126
Liver	stover Corn	Positive	occlusion of blood vessel	4.47E-06	201
Liver	stover Corn	Positive	proliferation of embryonic cells	4.70E-06	109
Liver	stover Corn	Positive	cell death of hepatocytes	4.70E-06	71
Liver	stover Corn	Positive	quantity of antigen presenting cells	4.72E-06	120
Liver	stover Corn	Positive	apoptosis of hematopoietic progenitor cells	4.74E-06	92
Liver	stover Corn	Positive	cell movement of breast cancer cell lines	4.74E-06	125
Liver	stover Corn	Negative	proliferation of cells	1.09E-43	1322
Liver	stover Corn	Negative	cell death	7.74E-37	1187
Liver	stover Corn	Negative	morbidity or mortality	1.22E-36	910
Liver	stover Corn	Negative	organismal death	1.57E-36	899
Liver	stover Corn	Negative	necrosis	3.28E-36	952
Liver	stover Corn	Negative	apoptosis	3.45E-32	957
Liver	stover Corn	Negative	morphology of cells	2.08E-29	731
Liver	stover Corn	Negative	malignant solid tumor	3.52E-29	3184
Liver	stover Corn	Negative	cancer	3.78E-29	3218
Liver	stover Corn	Negative	cell movement	3.77E-24	765
Liver	stover Corn	Negative	cell death of tumor cell lines	3.66E-23	574
Liver	stover Corn	Negative	differentiation of cells	4.16E-22	793
Liver	stover	Negative	organization of cytoplasm	9.64E-22	570
Liver	Corn	Negative	neoplasia of epithelial tissue	2.33E-21	2656

	stover				
	Corn				
Liver	stover	Negative	tumorigenesis of tissue	4.41E-21	2694
	Corn				
Liver	stover	Negative	cell survival	4.58E-21	523
	Corn				
Liver	stover	Negative	epithelial cancer	3.27E-20	2626
	Corn				
Liver	stover	Negative	cell viability	3.43E-20	490
	Corn				
Liver	stover	Negative	quantity of cells	3.59E-20	636
	Corn				
Liver	stover	Negative	apoptosis of tumor cell lines	4.38E-20	461
	Corn				
Liver	stover	Negative	abdominal neoplasm	1.48E-19	2626
	Corn				
Liver	stover	Negative	organization of cytoskeleton	1.48E-19	517
	Corn				
Liver	stover	Negative	migration of cells	6.57E-19	671
	Corn				
Liver	stover	Negative	abdominal cancer	1.33E-18	2592
	Corn				
Liver	stover	Negative	expression of RNA	2.15E-18	742
	Corn				
Liver	stover	Negative	transport of molecule	4.02E-18	578
	Corn				
Liver	stover	Negative	transcription	5.72E-18	694
	Corn				
Liver	stover	Negative	transcription of RNA	2.78E-17	649
	Corn				
Liver	stover	Negative	quantity of leukocytes	7.58E-17	353
	Corn				
Liver	stover	Negative	microtubule dynamics	1.16E-16	438
	Corn				
Liver	stover	Negative	angiogenesis	1.35E-16	349
	Corn				
Liver	stover	Negative	quantity of blood cells	2.44E-16	387
	Corn				
Liver	stover	Negative	cell death of connective tissue cells	2.68E-16	246
	Corn				
Liver	stover	Negative	development of cytoplasm	5.49E-16	196
	Corn				
Liver	stover	Negative	digestive organ tumor	6.71E-16	2270
Liver	Corn	Negative	abnormal morphology of cells	6.71E-16	460

	stover Corn				
Liver	stover Corn	Negative	cellular homeostasis	1.28E-15	538
Liver	stover Corn	Negative	digestive system cancer	1.44E-15	2248
Liver	stover Corn	Negative	morphology of cardiovascular system	3.57E-15	248
Liver	stover Corn	Negative	formation of cytoskeleton	9.08E-15	162
Liver	stover Corn	Negative	vasculogenesis	1.63E-14	285
Liver	stover Corn	Negative	Viral Infection	1.70E-14	560
Liver	stover Corn	Negative	proliferation of tumor cell lines	5.14E-14	538
Liver	stover Corn	Negative	fibrogenesis	7.11E-14	172
Liver	stover Corn	Negative	morphology of body cavity	1.04E-13	428
Liver	stover Corn	Negative	transcription of DNA	1.30E-13	532
Liver	stover Corn	Negative	growth of organism	1.31E-13	314
Liver	stover Corn	Negative	protein kinase cascade	2.26E-13	174
Liver	stover Corn	Negative	development of body trunk	2.34E-13	402
Liver	stover Corn	Negative	formation of cellular protrusions	2.84E-13	334
Liver	stover Corn	Negative	abnormal morphology of body cavity	5.85E-13	408
Liver	stover Corn	Negative	transactivation	7.09E-13	226
Liver	stover Corn	Negative	development of epithelial tissue	8.19E-13	205
Liver	stover Corn	Negative	formation of filaments	1.89E-12	163
Liver	stover Corn	Negative	cell death of fibroblast cell lines	2.13E-12	173
Liver	stover Corn	Negative	Growth Failure	2.28E-12	231
Liver	stover	Negative	size of body	2.97E-12	313
Liver	Corn	Negative	quantity of lymphocytes	3.99E-12	266

	stover Corn				
Liver	stover Corn	Negative	quantity of mononuclear leukocytes	4.28E-12	275
Liver	stover Corn	Negative	abnormal morphology of cardiovascular system	6.41E-12	219
Liver	stover Corn	Negative	necrosis of epithelial tissue	6.50E-12	226
Liver	stover Corn	Negative	cell movement of leukocytes	8.36E-12	284
Liver	stover Corn	Negative	migration of blood cells	8.88E-12	318
Liver	stover Corn	Negative	development of vasculature	8.92E-12	168
Liver	stover Corn	Negative	cell movement of tumor cell lines	8.99E-12	311
Liver	stover Corn	Negative	proliferation of blood cells	9.32E-12	308
Liver	stover Corn	Negative	transactivation of RNA	1.11E-11	210
Liver	stover Corn	Negative	leukocyte migration	1.11E-11	317
Liver	stover Corn	Negative	cell death of epithelial cells	1.32E-11	194
Liver	stover Corn	Negative	abnormal morphology of thoracic cavity	1.32E-11	224
Liver	stover Corn	Negative	behavior	1.92E-11	353
Liver	stover Corn	Negative	growth of epithelial tissue	2.06E-11	254
Liver	stover Corn	Negative	homing	4.07E-11	218
Liver	stover Corn	Negative	homing of cells	6.03E-11	212
Liver	stover Corn	Negative	growth of embryo	6.22E-11	185
Liver	stover Corn	Negative	apoptosis of fibroblast cell lines	7.45E-11	134
Liver	stover Corn	Negative	function of blood cells	8.23E-11	221
Liver	stover Corn	Negative	morphology of connective tissue	8.48E-11	179
Liver	stover	Negative	Movement Disorders	1.01E-10	371
Liver	Corn	Negative	proliferation of immune cells	1.14E-10	287

	stover Corn				
Liver	stover Corn	Negative	formation of actin filaments	1.47E-10	125
Liver	stover Corn	Negative	cell death of fibroblasts	1.53E-10	111
Liver	stover Corn	Negative	cell viability of tumor cell lines	1.65E-10	282
Liver	stover Corn	Negative	disorder of basal ganglia	1.82E-10	278
Liver	stover Corn	Negative	organization of organelle	1.82E-10	204
Liver	stover Corn	Negative	proliferation of connective tissue cells	2.69E-10	221
Liver	stover Corn	Negative	cell cycle progression	2.77E-10	365
Liver	stover Corn	Negative	development of cardiovascular tissue	3.76E-10	146
Liver	stover Corn	Negative	survival of organism	4.08E-10	256
Liver	stover Corn	Negative	morphology of heart	4.27E-10	158
Liver	stover Corn	Negative	morphogenesis of neurons	6.10E-10	164
Liver	stover Corn	Negative	proliferation of neuronal cells	6.19E-10	214
Liver	stover Corn	Negative	long-term potentiation	6.23E-10	102
Liver	stover Corn	Negative	activation of DNA endogenous promoter	6.23E-10	413
Liver	stover Corn	Negative	invasion of cells	6.30E-10	308
Liver	stover Corn	Negative	neuromuscular disease	6.79E-10	312
Liver	stover Corn	Negative	neuritogenesis	7.00E-10	216
Liver	stover Corn	Negative	infection of cells	7.00E-10	285
Liver	stover Corn	Negative	metabolism of protein	7.09E-10	340
Liver	stover Corn	Negative	proliferation of mononuclear leukocytes	7.15E-10	266
Liver	stover	Negative	quantity of T lymphocytes	8.09E-10	200
Liver	Corn	Negative	proliferation of lymphocytes	8.81E-10	262

	stover Corn				
Liver	stover Corn	Negative	degeneration of cells	9.27E-10	136
Liver	stover Corn	Negative	Neurodegeneration	9.45E-10	124
Liver	stover Corn	Negative	function of leukocytes	1.20E-09	200
Liver	stover Corn	Negative	development of endothelial tissue	1.20E-09	143
Liver	stover Corn	Negative	formation of plasma membrane projections	1.44E-09	219
Liver	stover Corn	Negative	growth of connective tissue	1.87E-09	234
Liver	stover Corn	Negative	cell movement of myeloid cells	2.06E-09	200
Liver	stover Corn	Negative	differentiation of connective tissue cells	2.50E-09	233
Liver	stover Corn	Negative	formation of actin stress fibers	2.50E-09	99
Liver	stover Corn	Negative	growth of muscle tissue	3.29E-09	144
Liver	stover Corn	Negative	proliferation of endothelial cells	3.58E-09	123
Liver	stover Corn	Negative	proliferation of muscle cells	3.94E-09	143
Liver	stover Corn	Negative	infection by RNA virus	4.02E-09	303
Liver	stover Corn	Negative	development of lymphatic system	4.29E-09	138
Liver	stover Corn	Negative	development of neurons	4.96E-09	276
Liver	stover Corn	Negative	maturation of cells	4.96E-09	171
Liver	stover Corn	Negative	breast or colorectal cancer	4.96E-09	1501
Liver	stover Corn	Negative	chemotaxis	4.99E-09	200
Liver	stover Corn	Negative	phosphorylation of protein	5.25E-09	261
Liver	stover Corn	Negative	proliferation of fibroblast cell lines	5.25E-09	160
Liver	stover	Negative	cognition	5.77E-09	170
Liver	Corn	Negative	morphology of nervous system	5.85E-09	276

	stover Corn				
Liver	stover Corn	Negative	morphogenesis of neurites	6.45E-09	158
Liver	stover Corn	Negative	ubiquitination of protein	6.60E-09	129
Liver	stover Corn	Negative	endothelial cell development	8.37E-09	136
Liver	stover Corn	Negative	cell death of cervical cancer cell lines	8.46E-09	135
Liver	stover Corn	Negative	development of lymphatic system component	8.46E-09	121
Liver	stover Corn	Negative	differentiation of connective tissue	9.27E-09	258
Liver	stover Corn	Negative	chemotaxis of cells	9.73E-09	193
Liver	stover Corn	Negative	ubiquitination	1.08E-08	130
Liver	stover Corn	Negative	cell death of blood cells	1.15E-08	246
Liver	stover Corn	Negative	quantity of connective tissue	1.19E-08	217
Liver	stover Corn	Negative	growth of embryonic tissue	1.21E-08	109
Liver	stover Corn	Negative	degeneration of nervous system	1.22E-08	113
Liver	stover Corn	Negative	neuronal cell death	1.24E-08	242
Liver	stover Corn	Negative	migration of tumor cell lines	1.24E-08	250
Liver	stover Corn	Negative	Lymphocyte homeostasis	1.42E-08	198
Liver	stover Corn	Negative	size of embryo	1.54E-08	136
Liver	stover Corn	Negative	homeostasis of leukocytes	1.56E-08	201
Liver	stover Corn	Negative	quantity of antigen presenting cells	1.74E-08	109
Liver	stover Corn	Negative	learning	1.84E-08	156
Liver	stover Corn	Negative	seizure disorder	1.94E-08	173
Liver	stover	Negative	formation of skin	1.94E-08	139
Liver	Corn	Negative	formation of cells	1.94E-08	335

	stover Corn				
Liver	stover Corn	Negative	cellular degradation	2.39E-08	101
Liver	stover Corn	Negative	synthesis of lipid	2.43E-08	251
Liver	stover Corn	Negative	neurological signs	2.43E-08	231
Liver	stover Corn	Negative	apoptosis of connective tissue cells	2.43E-08	115
Liver	stover Corn	Negative	dyskinesia	2.43E-08	220
Liver	stover Corn	Negative	abnormal morphology of heart	2.63E-08	144
Liver	stover Corn	Negative	concentration of lipid	2.72E-08	281
Liver	stover Corn	Negative	proliferation of embryonic cells	2.75E-08	99
Liver	stover Corn	Negative	gastrointestinal tract cancer	3.07E-08	1518
Liver	stover Corn	Negative	Huntington's Disease	3.07E-08	206
Liver	stover Corn	Negative	cell death of immune cells	3.29E-08	233
Liver	stover Corn	Negative	cell spreading	3.51E-08	108
Liver	stover Corn	Negative	perinatal death	3.59E-08	212
Liver	stover Corn	Negative	differentiation of tumor cell lines	3.69E-08	142
Liver	stover Corn	Negative	abnormal morphology of embryonic tissue	3.70E-08	197
Liver	stover Corn	Negative	Gastrointestinal Tract Cancer and Tumors	3.92E-08	1540
Liver	stover Corn	Negative	cell movement of mononuclear leukocytes	4.23E-08	169
Liver	stover Corn	Negative	morphology of lymphatic system component	4.39E-08	154
Liver	stover Corn	Negative	colony formation	4.45E-08	193
Liver	stover Corn	Negative	differentiation of blood cells	4.45E-08	290
Liver	stover	Negative	T cell development	4.49E-08	182
Liver	Corn	Negative	degeneration of neurons	4.51E-08	95

	stover Corn				
Liver	stover Corn	Negative	sprouting	4.51E-08	144
Liver	stover Corn	Negative	development of blood cells	4.57E-08	230
Liver	stover Corn	Negative	differentiation of epithelial tissue	5.05E-08	135
Liver	stover Corn	Negative	differentiation of leukocytes	5.05E-08	236
Liver	stover Corn	Negative	neonatal death	5.67E-08	161
Liver	stover Corn	Negative	function of cardiovascular system	6.27E-08	138
Liver	stover Corn	Negative	formation of muscle	6.27E-08	147
Liver	stover Corn	Negative	development of leukocytes	6.27E-08	209
Liver	stover Corn	Negative	morphology of head	6.42E-08	299
Liver	stover Corn	Negative	proliferation of smooth muscle cells	6.76E-08	110
Liver	stover Corn	Negative	abnormal morphology of abdomen	7.00E-08	299
Liver	stover Corn	Negative	infection by Retroviridae	7.17E-08	250
Liver	stover Corn	Negative	interphase	7.63E-08	230
Liver	stover Corn	Negative	function of lymphocytes	8.11E-08	128
Liver	stover Corn	Negative	apoptosis of fibroblasts	8.43E-08	87
Liver	stover Corn	Negative	proliferation of fibroblasts	8.46E-08	132
Liver	stover Corn	Negative	T cell homeostasis	8.88E-08	185
Liver	stover Corn	Negative	accumulation of lipid	8.97E-08	114
Liver	stover Corn	Negative	seizures	9.34E-08	147
Liver	stover Corn	Negative	function of muscle	1.04E-07	130
Liver	stover	Negative	quantity of phagocytes	1.04E-07	155
Liver	Corn	Negative	cellular infiltration by leukocytes	1.07E-07	143

	stover Corn				
Liver	stover Corn	Negative	branching of cells	1.13E-07	137
Liver	stover Corn	Negative	binding of DNA	1.20E-07	186
Liver	stover Corn	Negative	mitosis	1.22E-07	178
Liver	stover Corn	Negative	abnormal morphology of head	1.22E-07	284
Liver	stover Corn	Negative	cell movement of phagocytes	1.22E-07	195
Liver	stover Corn	Negative	quantity of macrophages	1.30E-07	81
Liver	stover Corn	Negative	apoptosis of epithelial cells	1.32E-07	109
Liver	stover Corn	Negative	cell death of epithelial cell lines	1.33E-07	108
Liver	stover Corn	Negative	size of animal	1.41E-07	73
Liver	stover Corn	Negative	development of lymphocytes	1.44E-07	196
Liver	stover Corn	Negative	development of connective tissue	1.48E-07	137
Liver	stover Corn	Negative	abnormal morphology of nervous system	1.50E-07	250
Liver	stover Corn	Negative	colony formation of cells	1.67E-07	176
Liver	stover Corn	Negative	development of mononuclear leukocytes	1.71E-07	197
Liver	stover Corn	Negative	Hypertrophy	1.71E-07	170
Liver	stover Corn	Negative	morphology of muscle	1.81E-07	125
Liver	stover Corn	Negative	abnormal morphology of epithelial tissue	1.95E-07	152
Liver	stover Corn	Negative	cell movement of macrophages	1.95E-07	102
Liver	stover Corn	Negative	infection by lentivirus	2.06E-07	246
Liver	stover Corn	Negative	cellular infiltration	2.24E-07	158
Liver	stover	Negative	quantity of B lymphocytes	2.24E-07	128
Liver	Corn	Negative	HIV infection	2.39E-07	245

	stover Corn				
Liver	stover Corn	Negative	proliferation of T lymphocytes	2.45E-07	211
Liver	stover Corn	Negative	differentiation of bone	2.48E-07	149
Liver	stover Corn	Negative	formation of lymphatic system component	2.97E-07	110
Liver	stover Corn	Negative	MAPKKK cascade	2.97E-07	81
Liver	stover Corn	Negative	activation of cells	3.22E-07	326
Liver	stover Corn	Negative	cell movement of endothelial cells	3.28E-07	130
Liver	stover Corn	Negative	apoptosis of pheochromocytoma cell lines	3.41E-07	42
Liver	stover Corn	Negative	cellular infiltration of cells	3.46E-07	144
Liver	stover Corn	Negative	differentiation of bone cells	4.05E-07	147
Liver	stover Corn	Negative	hepatocellular carcinoma	4.24E-07	1258
Liver	stover Corn	Negative	proliferation of hematopoietic cells	4.96E-07	97
Liver	stover Corn	Negative	proliferation of hematopoietic progenitor cells	5.03E-07	93
Liver	stover Corn	Negative	growth of lymphatic system component	6.14E-07	76
Liver	stover Corn	Negative	invasion of tumor cell lines	6.92E-07	228
Liver	stover Corn	Negative	benign neoplasia	7.27E-07	308
Liver	stover Corn	Negative	engulfment of cells	7.27E-07	146
Liver	stover Corn	Negative	apoptosis of blood cells	8.71E-07	174
Liver	stover Corn	Negative	infection by HIV-1	9.28E-07	210
Liver	stover Corn	Negative	quantity of carbohydrate	9.62E-07	181
Liver	stover Corn	Negative	quantity of lymphatic system component	9.62E-07	136
Liver	stover	Negative	colon tumor	1.02E-06	1122
Liver	Corn	Negative	growth of neurites	1.04E-06	163

	stover Corn				
Liver	stover Corn	Negative	cellular infiltration by macrophages	1.14E-06	64
Liver	stover Corn	Negative	formation of lymphoid organ	1.17E-06	99
Liver	stover Corn	Negative	potentiation of synapse	1.19E-06	61
Liver	stover Corn	Negative	adenocarcinoma	1.20E-06	1905
Liver	stover Corn	Negative	growth of plasma membrane projections	1.25E-06	164
Liver	stover Corn	Negative	cell transformation	1.38E-06	162
Liver	stover Corn	Negative	gastrointestinal carcinoma	1.39E-06	1350
Liver	stover Corn	Negative	differentiation of osteoblasts	1.51E-06	103
Liver	stover Corn	Negative	intestinal tumor	1.56E-06	1301
Liver	stover Corn	Negative	development of digestive system	1.56E-06	137
Liver	stover Corn	Negative	colorectal neoplasia	1.61E-06	1297
Liver	stover Corn	Negative	tumorigenesis of intestine	1.62E-06	1119
Liver	stover Corn	Negative	differentiation of mononuclear leukocytes	1.66E-06	187
Liver	stover Corn	Negative	Organ Degeneration	1.66E-06	172
Liver	stover Corn	Negative	inflammatory response	1.66E-06	261
Liver	stover Corn	Negative	apoptosis of cervical cancer cell lines	1.70E-06	104
Liver	stover Corn	Negative	autophagy	1.73E-06	134
Liver	stover Corn	Negative	colon cancer	1.75E-06	1113
Liver	stover Corn	Negative	long-term potentiation of synapse	1.76E-06	60
Liver	stover Corn	Negative	neoplasia of colon	1.76E-06	1116
Liver	stover	Negative	morphology of vessel	1.85E-06	112
Liver	Corn	Negative	abdominal adenocarcinoma	1.93E-06	1736

	stover Corn				
Liver	stover Corn	Negative	formation of lung	1.96E-06	110
Liver	stover Corn	Negative	morphology of cardiovascular tissue	2.01E-06	39
Liver	stover Corn	Negative	cell death of tumor	2.04E-06	136
Liver	stover Corn	Negative	outgrowth of plasma membrane projections	2.12E-06	144
Liver	stover Corn	Negative	cell movement of smooth muscle cells	2.18E-06	64
Liver	stover Corn	Negative	outgrowth of neurites	2.21E-06	143
Liver	stover Corn	Negative	morphology of lymphoid organ	2.32E-06	139
Liver	stover Corn	Negative	proliferation of epithelial cells	2.37E-06	171
Liver	stover Corn	Negative	colorectal cancer	2.44E-06	1278
Liver	stover Corn	Negative	formation of leukocytes	2.61E-06	63
Liver	stover Corn	Negative	cell death of pheochromocytoma cell lines	2.61E-06	50
Liver	stover Corn	Negative	necrosis of tumor	2.74E-06	135
Liver	stover Corn	Negative	cell movement of fibroblasts	2.76E-06	71
Liver	stover Corn	Negative	mass of organism	2.89E-06	120
Liver	stover Corn	Negative	intestinal cancer	3.03E-06	1279
Liver	stover Corn	Negative	liver lesion	3.09E-06	1296
Liver	stover Corn	Negative	catabolism of protein	3.09E-06	205
Liver	stover Corn	Negative	cell death of mononuclear leukocytes	3.20E-06	140
Liver	stover Corn	Negative	abnormal morphology of lymphoid organ	3.21E-06	134
Liver	stover Corn	Negative	liver tumor	3.21E-06	1295
Liver	stover	Negative	cell movement of muscle cells	3.27E-06	70
Liver	Corn	Negative	apoptosis of leukocytes	3.38E-06	159

	stover Corn				
Liver	stover Corn	Negative	congenital anomaly of musculoskeletal system	3.38E-06	246
Liver	stover Corn	Negative	hepatobiliary system cancer	3.40E-06	1292
Liver	stover Corn	Negative	vascularization	3.48E-06	88
Liver	stover Corn	Negative	morphology of endothelial tissue	3.50E-06	37
Liver	stover Corn	Negative	differentiation of epithelial cells	3.59E-06	113
Liver	stover Corn	Negative	cell movement of lymphocytes	3.71E-06	139
Liver	stover Corn	Negative	liver cancer	3.71E-06	1286
Liver	stover Corn	Negative	cell death of lymphocytes	3.72E-06	136
Liver	stover Corn	Negative	respiratory system development	3.93E-06	122
Liver	stover Corn	Negative	branching of neurons	4.05E-06	104
Liver	stover Corn	Negative	metabolism of carbohydrate	4.05E-06	210
Liver	stover Corn	Negative	migration of smooth muscle cells	4.06E-06	59
Liver	stover Corn	Negative	transport of carbohydrate	4.17E-06	74
Liver	stover Corn	Negative	quantity of interleukin	4.28E-06	56
Liver	stover Corn	Negative	branching of neurites	4.35E-06	101
Liver	stover Corn	Negative	accumulation of cells	4.50E-06	125
Liver	stover Corn	Negative	arthropathy	4.50E-06	311
Liver	stover Corn	Negative	cell movement of antigen presenting cells	4.68E-06	124
Liver	stover Corn	Negative	cardiogenesis	4.69E-06	163
Liver	stover Corn	Negative	arthritis	4.75E-06	306
Liver	stover	Negative	dysgenesis	5.05E-06	184
Liver	Corn	Negative	morphology of blood cells	5.05E-06	145

	stover Corn				
Liver	stover Corn	Negative	fatty acid metabolism	5.33E-06	203
Liver	stover Corn	Negative	uptake of monosaccharide	5.42E-06	98
Liver	stover Corn	Negative	hypertrophy of heart	5.42E-06	120
Liver	stover Corn	Negative	I-kappaB kinase/NF-kappaB cascade	5.42E-06	67
Liver	stover Corn	Negative	development of head	5.46E-06	319
Liver	stover Corn	Negative	cellular infiltration of phagocytes	5.52E-06	68
Liver	stover Corn	Negative	advanced malignant tumor	5.77E-06	278
Liver	stover Corn	Negative	cell death of cerebral cortex cells	5.78E-06	85
Liver	stover Corn	Negative	differentiation of muscle cell lines	5.90E-06	63
Liver	stover Corn	Negative	activation of enzyme	5.90E-06	136
Liver	stover Corn	Negative	cell death of brain	5.92E-06	105
Liver	stover Corn	Negative	abnormal morphology of muscle	6.03E-06	113
Liver	stover Corn	Negative	migration of muscle cells	6.05E-06	64
Liver	stover Corn	Negative	Ovarian Cancer and Tumors	6.10E-06	251
Liver	stover Corn	Negative	synthesis of nitric oxide	6.86E-06	100
Liver	stover Corn	Negative	apoptosis of epithelial cell lines	6.96E-06	83
Liver	stover Corn	Negative	apoptosis of hepatocytes	6.99E-06	53
Liver	stover Corn	Negative	activation of Protein kinase	7.10E-06	92
Liver	stover Corn	Negative	morphology of central nervous system	7.10E-06	175
Liver	stover Corn	Negative	morphology of respiratory system	7.40E-06	111
Liver	stover	Negative	apoptosis of muscle	7.76E-06	95
Liver	Corn	Negative	quantity of protein in blood	7.89E-06	173

	stover Corn				
Liver	stover Corn	Negative	movement of vascular endothelial cells	8.26E-06	69
Liver	stover Corn	Negative	recruitment of antigen presenting cells	8.35E-06	49
Liver	stover Corn	Negative	cell death of tumor cells	8.62E-06	130
Liver	stover Corn	Negative	development of gastrointestinal tract	9.05E-06	95
Liver	stover Corn	Negative	synthesis of reactive oxygen species	9.19E-06	164
Liver	stover Corn	Negative	metabolism of nucleotide	9.19E-06	151
Liver	stover Corn	Negative	migration of endothelial cells	9.19E-06	116
Liver	stover Corn	Negative	cell death of muscle	9.80E-06	121
Liver	stover Corn	Negative	metabolism of nucleic acid component or derivative	1.01E-05	176
Liver	stover Corn	Negative	formation of blood cells	1.03E-05	74
Liver	stover Corn	Negative	abnormal morphology of respiratory system	1.04E-05	109
Liver	stover Corn	Negative	apoptosis of muscle cells	1.07E-05	94
Liver	stover Corn	Negative	differentiation of epidermal cells	1.09E-05	63
Liver	stover Corn	Negative	cell death of brain cells	1.12E-05	98
Liver	stover Corn	Negative	morphology of digestive system	1.13E-05	192
Liver	stover Corn	Negative	breast or ovarian cancer	1.14E-05	590
Liver	stover Corn	Negative	uptake of D-hexose	1.15E-05	82
Liver	stover Corn	Negative	differentiation of lymphocytes	1.18E-05	169
Liver	stover Corn	Negative	apoptosis of heart cells	1.22E-05	71
Liver	stover Corn	Negative	invasion of tissue	1.22E-05	73
Liver	stover Corn	Negative	cell death of central nervous system cells	1.22E-05	104
Liver	Corn	Negative	S phase	1.23E-05	94

	stover Corn				
Liver	stover Corn	Negative	apoptosis of liver	1.26E-05	61
Liver	stover Corn	Negative	cell death of breast cancer cell lines	1.29E-05	117
Liver	stover Corn	Negative	necrosis of muscle	1.29E-05	120
Liver	stover Corn	Negative	incidence of tumor	1.32E-05	113
Liver	stover Corn	Negative	differentiation of skin	1.43E-05	68
Liver	stover Corn	Negative	small GTPase mediated signal transduction	1.44E-05	69
Liver	stover Corn	Negative	differentiation of muscle	1.45E-05	107
Liver	stover Corn	Negative	quantity of muscle cells	1.48E-05	47
Liver	stover Corn	Negative	quantity of immunoglobulin	1.56E-05	105
Liver	stover Corn	Negative	angiogenesis of tumor	1.61E-05	48
Liver	stover Corn	Negative	plasticity of synapse	1.61E-05	48
Liver	stover Corn	Negative	cell death of kidney cell lines	1.66E-05	107
Liver	stover Corn	Negative	uptake of carbohydrate	1.66E-05	103
Liver	stover Corn	Negative	differentiation of keratinocytes	1.74E-05	58
Liver	stover Corn	Negative	gonadal tumor	1.74E-05	267
Liver	stover Corn	Negative	production of protein	1.80E-05	115
Liver	stover Corn	Negative	outgrowth of cells	1.80E-05	148
Liver	stover Corn	Negative	cell death of muscle cells	1.88E-05	117
Liver	stover Corn	Negative	cell movement of connective tissue cells	1.89E-05	81
Liver	stover Corn	Negative	abdominal carcinoma	1.90E-05	1747
Liver	stover	Negative	memory	2.03E-05	92
Liver	Corn	Negative	shape change of fibroblast cell lines	2.04E-05	38

	stover Corn				
Liver	stover Corn	Negative	quantity of lymphoid organ	2.07E-05	108
Liver	stover Corn	Negative	cell viability of connective tissue cells	2.08E-05	52
Liver	stover Corn	Negative	recruitment of macrophages	2.20E-05	43
Liver	stover Corn	Negative	hypertrophy of cells	2.26E-05	102
Liver	stover Corn	Negative	cell death of kidney cells	2.29E-05	121
Liver	stover Corn	Negative	cell death of liver	2.35E-05	86
Liver	stover Corn	Negative	apoptosis of lymphocytes	2.39E-05	120
Liver	stover Corn	Negative	morphology of endothelial cells	2.40E-05	28
Liver	stover Corn	Negative	metabolism of reactive oxygen species	2.44E-05	168
Liver	stover Corn	Negative	cell death of liver cells	2.45E-05	72
Liver	stover Corn	Negative	activation of blood cells	2.45E-05	244
Liver	stover Corn	Negative	colorectal carcinoma	2.46E-05	1100
Liver	stover Corn	Negative	autophagy of cells	2.53E-05	94
Liver	stover Corn	Negative	production of antibody	2.57E-05	109
Liver	stover Corn	Negative	uptake of D-glucose	2.63E-05	80
Liver	stover Corn	Negative	development of body axis	2.64E-05	335
Liver	stover Corn	Negative	growth of lesion	2.65E-05	259
Liver	stover Corn	Negative	quantity of IL-6 in blood	2.68E-05	36
Liver	stover Corn	Negative	homing of blood cells	2.70E-05	130
Liver	stover Corn	Negative	quantity of metal ion	2.71E-05	150
Liver	stover	Negative	female genital tract serous cancer	2.75E-05	132
Liver	Corn	Negative	tumorigenesis of gonad	2.79E-05	262

	stover Corn				
Liver	stover Corn	Negative	quantity of epithelial tissue	2.91E-05	66
Liver	stover Corn	Negative	apoptosis of mononuclear leukocytes	2.94E-05	123
Liver	stover Corn	Negative	Bleeding	2.96E-05	144
Liver	stover Corn	Negative	gastrointestinal adenocarcinoma	3.17E-05	1259
Liver	stover Corn	Negative	homing of leukocytes	3.17E-05	129
Liver	stover Corn	Negative	necrosis of liver	3.21E-05	85
Liver	stover Corn	Negative	growth of tumor	3.22E-05	258
Liver	stover Corn	Negative	apoptosis of liver cells	3.23E-05	59
Liver	stover Corn	Negative	necrosis of kidney	3.38E-05	125
Liver	stover Corn	Negative	abnormal morphology of digestive system	3.38E-05	181
Liver	stover Corn	Negative	internalization of cells	3.38E-05	62
Liver	stover Corn	Negative	growth of lymphoid organ	3.44E-05	64
Liver	stover Corn	Negative	apoptosis of cardiomyocytes	3.46E-05	68
Liver	stover Corn	Negative	morphology of neuroglia	3.60E-05	46
Liver	stover Corn	Negative	morphology of blood vessel	3.68E-05	99
Liver	stover Corn	Negative	accumulation of blood cells	3.81E-05	98
Liver	stover Corn	Negative	cell death of hepatocytes	3.86E-05	58
Liver	stover Corn	Negative	engulfment of leukocytes	4.00E-05	60
Liver	stover Corn	Negative	hyperplasia of tissue	4.07E-05	71
Liver	stover Corn	Negative	migration of vascular endothelial cells	4.09E-05	62
Liver	stover	Negative	morphology of leukocytes	4.11E-05	118
Liver	Corn	Negative	cytostasis	4.20E-05	99

	stover Corn				
Liver	stover Corn	Negative	expansion of cells	4.35E-05	105
Liver	stover Corn	Negative	immune response of cells	4.48E-05	189
Liver	stover Corn	Negative	quantity of metal	4.72E-05	166
Liver	stover Corn	Negative	infection of kidney cell lines	4.82E-05	99
Liver	stover Corn	Negative	epileptic seizure	4.95E-05	62
Liver	stover Corn	Negative	engulfment of blood cells	4.97E-05	63
Liver	stover Corn	Negative	abnormal morphology of blood vessel	5.22E-05	93
Liver	stover Corn	Negative	autosomal recessive disease	5.27E-05	294
Liver	stover Corn	Negative	ovarian cancer	5.28E-05	231
Liver	stover Corn	Negative	apoptosis of breast cancer cell lines	5.28E-05	100
Liver	stover Corn	Negative	serous neoplasm	5.32E-05	200
Liver	stover Corn	Negative	angiogenesis of lesion	5.41E-05	49
Liver	stover Corn	Negative	modification of peptide	5.52E-05	42
Liver	stover Corn	Negative	activation of leukocytes	5.61E-05	227
Liver	stover Corn	Negative	formation of mononuclear leukocytes	5.64E-05	50
Liver	stover Corn	Negative	long-term potentiation of brain	5.64E-05	50
Liver	stover Corn	Negative	transport of monosaccharide	5.77E-05	59
Liver	stover Corn	Negative	migration of connective tissue cells	5.90E-05	66
Liver	stover Corn	Negative	infection of embryonic cell lines	6.08E-05	96
Liver	stover Corn	Negative	infection of epithelial cell lines	6.08E-05	96
Liver	stover	Negative	autosomal dominant disease	6.08E-05	208
Liver	Corn	Negative	uterine serous papillary cancer	6.22E-05	82

	stover Corn				
Liver	stover Corn	Negative	glandular intraepithelial neoplasm	6.42E-05	48
Liver	stover Corn	Negative	metastasis	6.44E-05	245
Liver	stover Corn	Negative	tumorigenesis of malignant tumor	6.52E-05	94
Liver	stover Corn	Negative	morphology of skeleton	6.68E-05	97
Liver	stover Corn	Negative	development of connective tissue cells	6.69E-05	79
Liver	stover Corn	Negative	hypertrophy of heart cells	6.88E-05	58
Liver	stover Corn	Negative	formation of thymus gland	7.00E-05	60
Liver	stover Corn	Negative	Hypoplasia	7.02E-05	167
Liver	stover Corn	Negative	cell death of T lymphocytes	7.08E-05	108
Liver	stover Corn	Negative	dyspnea	7.17E-05	51
Liver	stover Corn	Negative	function of T lymphocytes	7.17E-05	91
Liver	stover Corn	Negative	prostatic intraepithelial neoplasia	7.17E-05	46
Liver	stover Corn	Negative	synthesis of nucleotide	7.17E-05	123
Liver	stover Corn	Negative	ploidy of cells	7.38E-05	52
Liver	stover Corn	Negative	synaptic transmission	7.38E-05	115
Liver	stover Corn	Negative	wasting	7.55E-05	40
Liver	stover Corn	Negative	Edema	7.55E-05	117
Liver	stover Corn	Negative	proliferation of lymphatic system cells	7.61E-05	72
Liver	stover Corn	Negative	cell death of heart cells	7.87E-05	78
Liver	stover Corn	Negative	atrophy of muscle	7.87E-05	55
Liver	stover	Negative	metabolism of glycosphingolipid	7.87E-05	48
Liver	Corn	Negative	shape change of tumor cell lines	8.11E-05	57

	stover Corn				
Liver	stover Corn	Negative	cell death of skin	8.20E-05	41
Liver	stover Corn	Negative	abnormal morphology of central nervous system	8.32E-05	160
Liver	stover Corn	Negative	abnormal morphology of skeleton	8.35E-05	94
Liver	stover Corn	Negative	phagocytosis of cells	8.35E-05	94
Liver	stover Corn	Negative	Wound	8.64E-05	80
Liver	stover Corn	Negative	cell death of sarcoma cell lines	8.64E-05	80
Liver	stover Corn	Negative	vascularization of body region	8.73E-05	51
Liver	stover Corn	Negative	neurotransmission	8.86E-05	138
Liver	stover Corn	Negative	weight loss	8.88E-05	84
Liver	stover Corn	Negative	hypersensitive reaction	9.30E-05	143
Liver	stover Corn	Negative	morphology of heart ventricle	9.30E-05	69
Liver	stover Corn	Negative	function of smooth muscle	9.33E-05	37
Liver	stover Corn	Negative	proliferation of vascular endothelial cells	9.33E-05	54
Liver	stover Corn	Negative	differentiation of muscle cells	9.61E-05	97
Liver	stover Corn	Negative	abnormal morphology of lymph node	9.61E-05	56
Liver	stover Corn	Negative	peripheral arterial disease	9.70E-05	75
Liver	stover Corn	Negative	morphology of lymph node	9.82E-05	59
Liver	stover Corn	Negative	hypertrophy of tissue	9.88E-05	89
Liver	stover Corn	Negative	cell death of heart	9.88E-05	80
Liver	stover Corn	Negative	differentiation of embryonic cells	9.88E-05	80
Liver	stover	Negative	formation of vascular lesion	9.92E-05	44
Liver	Corn	Negative	quantity of muscle	9.96E-05	49

	stover Corn				
Liver	stover Corn	Negative	development of abdomen	9.99E-05	189
Liver	stover Corn	Negative	size of cells	1.01E-04	143
Liver	stover Corn	Negative	damage of nervous system	1.01E-04	79
Liver	stover Corn	Negative	synthesis of DNA	1.01E-04	139
Liver	stover Corn	Negative	morphology of brain	1.01E-04	154
Liver	stover Corn	Negative	gliosis	1.02E-04	50
Liver	stover Corn	Negative	Encephalitis	1.03E-04	101
Liver	stover Corn	Negative	export of molecule	1.03E-04	101
Liver	stover Corn	Negative	formation of embryonic tissue	1.03E-04	101
Liver	stover Corn	Negative	synthesis of ceramide	1.07E-04	30
Liver	stover Corn	Negative	morphology of bone	1.08E-04	149
Liver	stover Corn	Negative	concentration of fatty acid	1.11E-04	96
Liver	stover Corn	Negative	differentiation of phagocytes	1.11E-04	85
Liver	stover Corn	Negative	secretion of molecule	1.15E-04	180
Liver	stover Corn	Negative	cell surface receptor linked signal transduction	1.17E-04	101
Liver	stover Corn	Negative	inflammation of central nervous system	1.21E-04	103
Liver	stover Corn	Negative	development of epithelial cells	1.22E-04	49
Liver	stover Corn	Negative	Fibrosis	1.23E-04	174
Liver	stover Corn	Negative	cell death of leukemia cell lines	1.23E-04	108
Liver	stover Corn	Negative	cachexia	1.25E-04	35
Liver	stover	Negative	migration of mononuclear leukocytes	1.26E-04	124
Liver	Corn	Negative	transformation of fibroblast cell lines	1.27E-04	89

	stover					
	Corn					
Liver	stover	Negative	apoptosis of carcinoma cell lines	1.27E-04	85	
	Corn					
Liver	stover	Negative	Lymphocyte migration	1.34E-04	116	
Mammary gland	Alfalfa	Positive	proliferation of cells	9.69E-71	1966	
Mammary gland	Alfalfa	Positive	cancer	8.33E-59	4871	
Mammary gland	Alfalfa	Positive	malignant solid tumor	2.90E-57	4814	
Mammary gland	Alfalfa	Positive	cell death	4.59E-52	1734	
Mammary gland	Alfalfa	Positive	organismal death	2.39E-46	1287	
Mammary gland	Alfalfa	Positive	morbidity or mortality	6.29E-46	1300	
Mammary gland	Alfalfa	Positive	apoptosis	8.55E-45	1393	
Mammary gland	Alfalfa	Positive	necrosis	7.00E-43	1353	
Mammary gland	Alfalfa	Positive	morphology of cells	6.28E-41	1059	
Mammary gland	Alfalfa	Positive	organization of cytoplasm	1.34E-38	857	
Mammary gland	Alfalfa	Positive	tumorigenesis of tissue	2.42E-32	4028	
Mammary gland	Alfalfa	Positive	cell movement	5.43E-32	1106	
Mammary gland	Alfalfa	Positive	organization of cytoskeleton	1.10E-31	767	
Mammary gland	Alfalfa	Positive	neoplasia of epithelial tissue	2.17E-31	3962	
Mammary gland	Alfalfa	Positive	epithelial cancer	6.14E-31	3925	
Mammary gland	Alfalfa	Positive	abdominal neoplasm	4.35E-29	3921	
Mammary gland	Alfalfa	Positive	migration of cells	2.66E-27	983	
Mammary gland	Alfalfa	Positive	abdominal cancer	4.02E-27	3867	
Mammary gland	Alfalfa	Positive	quantity of cells	6.23E-27	920	
Mammary gland	Alfalfa	Positive	transport of molecule	6.61E-26	844	

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	microtubule dynamics	1.43E-25	644
Mammary	Alfalfa				
gland	hay	Positive	cellular homeostasis	1.43E-25	801
Mammary	Alfalfa				
gland	hay	Positive	cell death of tumor cell lines	2.27E-25	802
Mammary	Alfalfa				
gland	hay	Positive	cell survival	3.12E-25	740
Mammary	Alfalfa				
gland	hay	Positive	differentiation of cells	1.60E-24	1125
Mammary	Alfalfa				
gland	hay	Positive	transcription	2.19E-24	1010
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of cells	2.34E-24	677
Mammary	Alfalfa				
gland	hay	Positive	cell viability	4.77E-24	692
Mammary	Alfalfa				
gland	hay	Positive	cell death of connective tissue cells	1.46E-23	354
Mammary	Alfalfa				
gland	hay	Positive	expression of RNA	1.73E-23	1073
Mammary	Alfalfa				
gland	hay	Positive	morphology of cardiovascular system	2.11E-23	362
Mammary	Alfalfa				
gland	hay	Positive	morphology of body cavity	2.33E-23	640
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of body cavity	5.04E-23	614
Mammary	Alfalfa				
gland	hay	Positive	angiogenesis	1.22E-22	501
Mammary	Alfalfa				
gland	hay	Positive	transcription of RNA	1.42E-22	939
Mammary	Alfalfa				
gland	hay	Positive	digestive organ tumor	6.83E-22	3374
Mammary	Alfalfa				
gland	hay	Positive	digestive system cancer	1.59E-21	3342
Mammary	Alfalfa				
gland	hay	Positive	proliferation of tumor cell lines	1.80E-21	794
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of tumor cell lines	1.23E-20	636
Mammary	Alfalfa				
gland	hay	Positive	Viral Infection	1.28E-20	819
Mammary	Alfalfa				
gland	hay	Positive	Movement Disorders	2.74E-20	564
Mammary	Alfalfa	Positive	vasculogenesis	2.74E-20	410

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	concentration of lipid	5.34E-20	445
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of thoracic cavity	9.73E-20	334
Mammary	Alfalfa				
gland	hay	Positive	proliferation of connective tissue cells	2.25E-19	336
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of cardiovascular system	2.89E-19	323
Mammary	Alfalfa				
gland	hay	Positive	cell cycle progression	9.05E-19	552
Mammary	Alfalfa				
gland	hay	Positive	invasion of cells	1.22E-18	468
Mammary	Alfalfa				
gland	hay	Positive	cell movement of tumor cell lines	1.45E-18	459
Mammary	Alfalfa				
gland	hay	Positive	cell viability of tumor cell lines	1.53E-18	424
Mammary	Alfalfa				
gland	hay	Positive	size of body	2.09E-18	458
Mammary	Alfalfa				
gland	hay	Positive	quantity of blood cells	2.28E-18	541
Mammary	Alfalfa				
gland	hay	Positive	formation of cellular protrusions	2.88E-18	482
Mammary	Alfalfa				
gland	hay	Positive	development of body trunk	7.62E-18	580
Mammary	Alfalfa				
gland	hay	Positive	quantity of leukocytes	1.05E-17	486
Mammary	Alfalfa				
gland	hay	Positive	ubiquitination	1.48E-17	201
Mammary	Alfalfa				
gland	hay	Positive	cell death of fibroblast cell lines	1.60E-17	247
Mammary	Alfalfa				
gland	hay	Positive	growth of connective tissue	2.99E-17	354
Mammary	Alfalfa				
gland	hay	Positive	ubiquitination of protein	5.11E-17	197
Mammary	Alfalfa				
gland	hay	Positive	organization of organelle	8.14E-17	301
Mammary	Alfalfa				
gland	hay	Positive	autosomal recessive disease	1.30E-16	484
Mammary	Alfalfa				
gland	hay	Positive	synthesis of lipid	1.91E-16	385
Mammary	Alfalfa				
gland	hay	Positive	growth of organism	3.54E-16	442
Mammary	Alfalfa	Positive	quantity of connective tissue	6.77E-16	329

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	migration of tumor cell lines	1.41E-15	378
Mammary	Alfalfa				
gland	hay	Positive	colony formation	1.99E-15	295
Mammary	Alfalfa				
gland	hay	Positive	colony formation of cells	2.03E-15	273
Mammary	Alfalfa				
gland	hay	Positive	phosphorylation of protein	3.81E-15	390
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of fibroblast cell lines	4.81E-15	190
Mammary	Alfalfa				
gland	hay	Positive	invasion of tumor cell lines	4.98E-15	356
Mammary	Alfalfa				
gland	hay	Positive	necrosis of epithelial tissue	4.99E-15	319
Mammary	Alfalfa				
gland	hay	Positive	quantity of lymphocytes	5.29E-15	376
Mammary	Alfalfa				
gland	hay	Positive	quantity of mononuclear leukocytes	6.42E-15	389
Mammary	Alfalfa				
gland	hay	Positive	development of vasculature	1.34E-14	234
Mammary	Alfalfa				
gland	hay	Positive	development of cytoplasm	2.00E-14	255
Mammary	Alfalfa				
gland	hay	Positive	cell death of epithelial cells	2.12E-14	272
Mammary	Alfalfa				
gland	hay	Positive	disorder of basal ganglia	3.30E-14	401
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of abdomen	4.20E-14	452
Mammary	Alfalfa				
gland	hay	Positive	function of leukocytes	6.44E-14	290
Mammary	Alfalfa				
gland	hay	Positive	neuromuscular disease	6.67E-14	454
Mammary	Alfalfa				
gland	hay	Positive	neuronal cell death	7.52E-14	359
Mammary	Alfalfa				
gland	hay	Positive	transactivation	1.04E-13	309
Mammary	Alfalfa				
gland	hay	Positive	growth of epithelial tissue	1.61E-13	357
Mammary	Alfalfa				
gland	hay	Positive	growth of muscle tissue	1.83E-13	208
Mammary	Alfalfa				
gland	hay	Positive	morphology of heart	1.85E-13	224
Mammary	Alfalfa	Positive	formation of cells	1.88E-13	498

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	transcription of DNA	2.28E-13	745
Mammary	Alfalfa				
gland	hay	Positive	proliferation of muscle cells	3.64E-13	206
Mammary	Alfalfa				
gland	hay	Positive	morphology of connective tissue	3.69E-13	250
Mammary	Alfalfa				
gland	hay	Positive	proliferation of smooth muscle cells	5.04E-13	163
Mammary	Alfalfa				
gland	hay	Positive	abdominal adenocarcinoma	5.11E-13	2632
Mammary	Alfalfa				
gland	hay	Positive	benign neoplasia	6.45E-13	469
Mammary	Alfalfa				
gland	hay	Positive	interphase	6.89E-13	343
Mammary	Alfalfa				
gland	hay	Positive	cell transformation	7.03E-13	249
Mammary	Alfalfa				
gland	hay	Positive	adenocarcinoma	8.66E-13	2880
Mammary	Alfalfa				
gland	hay	Positive	cell death of blood cells	9.33E-13	360
Mammary	Alfalfa				
gland	hay	Positive	function of blood cells	1.11E-12	309
Mammary	Alfalfa				
gland	hay	Positive	protein kinase cascade	1.23E-12	229
Mammary	Alfalfa				
gland	hay	Positive	Growth Failure	3.05E-12	313
Mammary	Alfalfa				
gland	hay	Positive	proliferation of neuronal cells	3.54E-12	302
Mammary	Alfalfa				
gland	hay	Positive	activation of cells	4.08E-12	489
Mammary	Alfalfa				
gland	hay	Positive	development of blood cells	4.29E-12	338
Mammary	Alfalfa				
gland	hay	Positive	cell movement of blood cells	6.22E-12	441
Mammary	Alfalfa				
gland	hay	Positive	migration of blood cells	6.26E-12	440
Mammary	Alfalfa				
gland	hay	Positive	development of leukocytes	6.28E-12	307
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of heart	6.52E-12	208
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of epithelial tissue	7.18E-12	225
Mammary	Alfalfa	Positive	leukocyte migration	7.18E-12	439

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	metabolism of carbohydrate	7.39E-12	322
Mammary	Alfalfa				
gland	hay	Positive	cell death of immune cells	8.32E-12	340
Mammary	Alfalfa				
gland	hay	Positive	proliferation of blood cells	8.77E-12	425
Mammary	Alfalfa				
gland	hay	Positive	formation of cytoskeleton	8.77E-12	204
Mammary	Alfalfa				
gland	hay	Positive	binding of DNA	8.88E-12	274
Mammary	Alfalfa				
gland	hay	Positive	cell death of T lymphocytes	8.92E-12	174
Mammary	Alfalfa				
gland	hay	Positive	fibrogenesis	9.64E-12	221
Mammary	Alfalfa				
gland	hay	Positive	quantity of T lymphocytes	1.39E-11	280
Mammary	Alfalfa				
gland	hay	Positive	differentiation of connective tissue cells	1.41E-11	331
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of embryonic tissue	1.41E-11	286
Mammary	Alfalfa				
gland	hay	Positive	replication of RNA virus	1.47E-11	266
Mammary	Alfalfa				
gland	hay	Positive	synthesis of DNA	1.60E-11	223
Mammary	Alfalfa				
gland	hay	Positive	cell death of epithelial cell lines	1.95E-11	157
Mammary	Alfalfa				
gland	hay	Positive	dyskinesia	2.08E-11	318
Mammary	Alfalfa				
gland	hay	Positive	degeneration of nervous system	2.25E-11	159
Mammary	Alfalfa				
gland	hay	Positive	neurological signs	2.29E-11	334
Mammary	Alfalfa				
gland	hay	Positive	transactivation of RNA	2.42E-11	283
Mammary	Alfalfa				
gland	hay	Positive	cell death of lymphocytes	2.44E-11	207
Mammary	Alfalfa				
gland	hay	Positive	fatty acid metabolism	2.46E-11	310
Mammary	Alfalfa				
gland	hay	Positive	proliferation of fibroblasts	2.73E-11	191
Mammary	Alfalfa				
gland	hay	Positive	genital tumor	2.84E-11	1822
Mammary	Alfalfa	Positive	apoptosis of connective tissue cells	2.88E-11	163

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	behavior	3.24E-11	489
Mammary	Alfalfa				
gland	hay	Positive	breast or colorectal cancer	3.43E-11	2216
Mammary	Alfalfa				
gland	hay	Positive	Huntington's Disease	3.45E-11	297
Mammary	Alfalfa				
gland	hay	Positive	chorea	3.45E-11	298
Mammary	Alfalfa				
gland	hay	Positive	cell death of mononuclear leukocytes	3.45E-11	212
Mammary	Alfalfa				
gland	hay	Positive	Organ Degeneration	4.24E-11	258
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of blood cells	4.25E-11	259
Mammary	Alfalfa				
gland	hay	Positive	small GTPase mediated signal transduction	4.70E-11	107
Mammary	Alfalfa				
gland	hay	Positive	cell movement of leukocytes	5.46E-11	386
Mammary	Alfalfa				
gland	hay	Positive	development of head	5.97E-11	484
Mammary	Alfalfa				
gland	hay	Positive	abdominal carcinoma	6.26E-11	2647
Mammary	Alfalfa				
gland	hay	Positive	survival of organism	6.70E-11	356
Mammary	Alfalfa				
gland	hay	Positive	formation of filaments	8.32E-11	211
Mammary	Alfalfa				
gland	hay	Positive	replication of virus	8.39E-11	289
Mammary	Alfalfa				
gland	hay	Positive	infection by Retroviridae	8.39E-11	363
Mammary	Alfalfa				
gland	hay	Positive	growth of embryo	8.39E-11	249
Mammary	Alfalfa				
gland	hay	Positive	Neurodegeneration	8.40E-11	168
Mammary	Alfalfa				
gland	hay	Positive	morphology of respiratory system	8.84E-11	169
Mammary	Alfalfa				
gland	hay	Positive	mitosis	8.96E-11	258
Mammary	Alfalfa				
gland	hay	Positive	development of lymphocytes	9.88E-11	285
Mammary	Alfalfa				
gland	hay	Positive	perinatal death	1.14E-10	304
Mammary	Alfalfa	Positive	congenital anomaly of musculoskeletal system	1.20E-10	370

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	development of body axis	1.22E-10	514
Mammary	Alfalfa				
gland	hay	Positive	infection by RNA virus	1.26E-10	430
Mammary	Alfalfa				
gland	hay	Positive	concentration of fatty acid	1.28E-10	153
Mammary	Alfalfa				
gland	hay	Positive	morphology of head	1.34E-10	434
Mammary	Alfalfa				
gland	hay	Positive	cell movement of myeloid cells	1.39E-10	278
Mammary	Alfalfa				
gland	hay	Positive	infection of cells	1.41E-10	398
Mammary	Alfalfa				
gland	hay	Positive	size of animal	1.54E-10	103
Mammary	Alfalfa				
gland	hay	Positive	development of mononuclear leukocytes	1.65E-10	286
Mammary	Alfalfa				
gland	hay	Positive	female genital neoplasm	1.76E-10	1606
Mammary	Alfalfa				
gland	hay	Positive	infection by lentivirus	1.82E-10	359
Mammary	Alfalfa				
gland	hay	Positive	HIV infection	1.83E-10	358
Mammary	Alfalfa				
gland	hay	Positive	morphology of digestive system	1.92E-10	292
Mammary	Alfalfa				
gland	hay	Positive	sprouting	1.97E-10	204
Mammary	Alfalfa				
gland	hay	Positive	endocytosis	2.12E-10	184
Mammary	Alfalfa				
gland	hay	Positive	synthesis of fatty acid	2.24E-10	168
Mammary	Alfalfa				
gland	hay	Positive	development of epithelial tissue	2.28E-10	266
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of digestive system	2.30E-10	279
Mammary	Alfalfa				
gland	hay	Positive	growth of plasma membrane projections	2.39E-10	242
Mammary	Alfalfa				
gland	hay	Positive	proliferation of immune cells	2.59E-10	394
Mammary	Alfalfa				
gland	hay	Positive	morphology of lymphatic system component	2.60E-10	218
Mammary	Alfalfa				
gland	hay	Positive	morphology of nervous system	2.74E-10	390
Mammary	Alfalfa	Positive	hypersensitive reaction	2.85E-10	224

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	differentiation of connective tissue	2.96E-10	365
Mammary	Alfalfa				
gland	hay	Positive	metabolism of protein	3.00E-10	476
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of respiratory system	3.13E-10	165
Mammary	Alfalfa				
gland	hay	Positive	quantity of lymphatic system component	3.25E-10	199
Mammary	Alfalfa				
gland	hay	Positive	infection by HIV-1	3.33E-10	309
Mammary	Alfalfa				
gland	hay	Positive	differentiation of leukocytes	3.52E-10	338
Mammary	Alfalfa				
gland	hay	Positive	arthropathy	4.22E-10	466
Mammary	Alfalfa				
gland	hay	Positive	Lymphocyte homeostasis	4.56E-10	278
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of reproductive system	4.56E-10	261
Mammary	Alfalfa				
gland	hay	Positive	autophagy	4.80E-10	197
Mammary	Alfalfa				
gland	hay	Positive	formation of plasma membrane projections	4.84E-10	302
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of head	4.95E-10	411
Mammary	Alfalfa				
gland	hay	Positive	growth of lesion	4.97E-10	395
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of epithelial cell lines	5.13E-10	124
Mammary	Alfalfa				
gland	hay	Positive	morphology of reproductive system	5.37E-10	273
Mammary	Alfalfa				
gland	hay	Positive	quantity of carbohydrate	5.37E-10	265
Mammary	Alfalfa				
gland	hay	Positive	proliferation of hematopoietic cells	5.46E-10	139
Mammary	Alfalfa				
gland	hay	Positive	arthritis	5.47E-10	458
Mammary	Alfalfa				
gland	hay	Positive	development of connective tissue	5.50E-10	195
Mammary	Alfalfa				
gland	hay	Positive	proliferation of fibroblast cell lines	5.80E-10	220
Mammary	Alfalfa				
gland	hay	Positive	morphology of vessel	6.08E-10	164
Mammary	Alfalfa	Positive	engulfment of cells	6.29E-10	212

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	development of lymphatic system component	6.32E-10	165
Mammary	Alfalfa				
gland	hay	Positive	development of cardiovascular tissue	6.62E-10	194
Mammary	Alfalfa				
gland	hay	Positive	neuritogenesis	6.75E-10	295
Mammary	Alfalfa				
gland	hay	Positive	growth of neurites	6.86E-10	238
Mammary	Alfalfa				
gland	hay	Positive	Bleeding	6.96E-10	220
Mammary	Alfalfa				
gland	hay	Positive	homing of cells	7.10E-10	283
Mammary	Alfalfa				
gland	hay	Positive	activation of DNA endogenous promoter	7.31E-10	579
Mammary	Alfalfa				
gland	hay	Positive	T cell development	7.31E-10	257
Mammary	Alfalfa				
gland	hay	Positive	growth of tumor	8.55E-10	393
Mammary	Alfalfa				
gland	hay	Positive	homing	9.63E-10	290
Mammary	Alfalfa				
gland	hay	Positive	morphology of muscle	9.90E-10	177
Mammary	Alfalfa				
gland	hay	Positive	homeostasis of leukocytes	1.00E-09	281
Mammary	Alfalfa				
gland	hay	Positive	cell death of cervical cancer cell lines	1.23E-09	184
Mammary	Alfalfa				
gland	hay	Positive	branching of cells	1.23E-09	193
Mammary	Alfalfa				
gland	hay	Positive	function of cardiovascular system	1.23E-09	193
Mammary	Alfalfa				
gland	hay	Positive	breast or ovarian cancer	1.31E-09	887
Mammary	Alfalfa				
gland	hay	Positive	proliferation of epithelial cells	1.51E-09	251
Mammary	Alfalfa				
gland	hay	Positive	morphogenesis of neurons	1.52E-09	219
Mammary	Alfalfa				
gland	hay	Positive	quantity of lymphoid organ	1.52E-09	163
Mammary	Alfalfa				
gland	hay	Positive	cell movement of endothelial cells	1.56E-09	185
Mammary	Alfalfa				
gland	hay	Positive	synthesis of nitric oxide	1.59E-09	148
Mammary	Alfalfa	Positive	development of neurons	1.69E-09	385

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	development of lymphatic system	2.01E-09	186
Mammary	Alfalfa				
gland	hay	Positive	outgrowth of plasma membrane projections	2.04E-09	210
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of lymphocytes	2.20E-09	181
Mammary	Alfalfa				
gland	hay	Positive	mass of connective tissue	2.24E-09	111
Mammary	Alfalfa				
gland	hay	Positive	vascularization	2.26E-09	128
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of mononuclear leukocytes	2.48E-09	186
Mammary	Alfalfa				
gland	hay	Positive	T cell homeostasis	2.52E-09	261
Mammary	Alfalfa				
gland	hay	Positive	uptake of carbohydrate	2.76E-09	154
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of T lymphocytes	2.79E-09	149
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of neurons	2.79E-09	223
Mammary	Alfalfa				
gland	hay	Positive	proliferation of hematopoietic progenitor cells	2.79E-09	131
Mammary	Alfalfa				
gland	hay	Positive	morphology of blood vessel	2.91E-09	150
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of leukocytes	2.93E-09	233
Mammary	Alfalfa				
gland	hay	Positive	autosomal dominant disease	3.05E-09	317
Mammary	Alfalfa				
gland	hay	Positive	female genital tract serous cancer	3.13E-09	199
Mammary	Alfalfa				
gland	hay	Positive	gastrointestinal carcinoma	3.32E-09	2008
Mammary	Alfalfa				
gland	hay	Positive	activation of enzyme	3.94E-09	200
Mammary	Alfalfa				
gland	hay	Positive	cognition	4.23E-09	231
Mammary	Alfalfa				
gland	hay	Positive	formation of lymphatic system component	4.47E-09	154
Mammary	Alfalfa				
gland	hay	Positive	morphogenesis of neurites	4.62E-09	214
Mammary	Alfalfa				
gland	hay	Positive	development of endothelial tissue	4.97E-09	189
Mammary	Alfalfa	Positive	outgrowth of neurites	5.26E-09	207

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	advanced malignant tumor	5.65E-09	411
Mammary	Alfalfa				
gland	hay	Positive	differentiation of blood cells	5.76E-09	410
Mammary	Alfalfa				
gland	hay	Positive	cell spreading	6.63E-09	146
Mammary	Alfalfa				
gland	hay	Positive	transport of protein	6.65E-09	158
Mammary	Alfalfa				
gland	hay	Positive	morphology of genital organ	6.89E-09	216
Mammary	Alfalfa				
gland	hay	Positive	quantity of protein in blood	7.12E-09	255
Mammary	Alfalfa				
gland	hay	Positive	tumorigenesis of genital organ	7.36E-09	1742
Mammary	Alfalfa				
gland	hay	Positive	cellular degradation	8.12E-09	135
Mammary	Alfalfa				
gland	hay	Positive	formation of lymphoid organ	8.16E-09	140
Mammary	Alfalfa				
gland	hay	Positive	proliferation of mononuclear leukocytes	8.76E-09	361
Mammary	Alfalfa				
gland	hay	Positive	activation of neuroglia	8.81E-09	76
Mammary	Alfalfa				
gland	hay	Positive	uptake of monosaccharide	8.97E-09	142
Mammary	Alfalfa				
gland	hay	Positive	cell death of kidney cells	9.68E-09	180
Mammary	Alfalfa				
gland	hay	Positive	accumulation of lipid	9.83E-09	156
Mammary	Alfalfa				
gland	hay	Positive	endothelial cell development	1.00E-08	182
Mammary	Alfalfa				
gland	hay	Positive	formation of lung	1.01E-08	157
Mammary	Alfalfa				
gland	hay	Positive	quantity of steroid	1.04E-08	235
Mammary	Alfalfa				
gland	hay	Positive	gastrointestinal tract cancer	1.04E-08	2226
Mammary	Alfalfa				
gland	hay	Positive	learning	1.17E-08	212
Mammary	Alfalfa				
gland	hay	Positive	Gastrointestinal Tract Cancer and Tumors	1.20E-08	2260
Mammary	Alfalfa				
gland	hay	Positive	quantity of adipose tissue	1.37E-08	146
Mammary	Alfalfa	Positive	gonadal tumor	1.40E-08	397

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	cell movement of phagocytes	1.43E-08	273
Mammary	Alfalfa				
gland	hay	Positive	differentiation of mononuclear leukocytes	1.47E-08	269
Mammary	Alfalfa				
gland	hay	Positive	cell movement of muscle cells	1.50E-08	99
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of epithelial cells	1.53E-08	149
Mammary	Alfalfa				
gland	hay	Positive	phosphorylation of amino acids	1.83E-08	118
Mammary	Alfalfa				
gland	hay	Positive	morphology of lymphoid organ	1.89E-08	199
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of nervous system	1.96E-08	353
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of blood vessel	2.12E-08	139
Mammary	Alfalfa				
gland	hay	Positive	chemotaxis of cells	2.15E-08	262
Mammary	Alfalfa				
gland	hay	Positive	accumulation of cells	2.22E-08	180
Mammary	Alfalfa				
gland	hay	Positive	serous neoplasm	2.26E-08	300
Mammary	Alfalfa				
gland	hay	Positive	size of embryo	2.28E-08	182
Mammary	Alfalfa				
gland	hay	Positive	differentiation of lymphocytes	2.34E-08	248
Mammary	Alfalfa				
gland	hay	Positive	inflammatory response	2.36E-08	377
Mammary	Alfalfa				
gland	hay	Positive	cell movement of smooth muscle cells	2.37E-08	89
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of muscle	2.44E-08	137
Mammary	Alfalfa				
gland	hay	Positive	synthesis of carbohydrate	2.44E-08	214
Mammary	Alfalfa				
gland	hay	Positive	respiratory system development	2.45E-08	175
Mammary	Alfalfa				
gland	hay	Positive	outgrowth of cells	2.45E-08	218
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of lymphoid organ	2.54E-08	192
Mammary	Alfalfa				
gland	hay	Positive	peripheral vascular disease	2.56E-08	193
Mammary	Alfalfa	Positive	tumorigenesis of gonad	2.60E-08	390

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	dysgenesis	2.76E-08	267
Mammary	Alfalfa				
gland	hay	Positive	Ovarian Cancer and Tumors	2.82E-08	367
Mammary	Alfalfa				
gland	hay	Positive	genital tract cancer	2.82E-08	1721
Mammary	Alfalfa				
gland	hay	Positive	proliferation of lymphocytes	2.82E-08	353
Mammary	Alfalfa				
gland	hay	Positive	peripheral arterial disease	2.85E-08	113
Mammary	Alfalfa				
gland	hay	Positive	phosphorylation of L-amino acid	2.86E-08	117
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of muscle cells	2.90E-08	136
Mammary	Alfalfa				
gland	hay	Positive	cell movement of carcinoma cell lines	2.99E-08	110
Mammary	Alfalfa				
gland	hay	Positive	craniofacial abnormality	3.26E-08	181
Mammary	Alfalfa				
gland	hay	Positive	necrosis of kidney	3.43E-08	185
Mammary	Alfalfa				
gland	hay	Positive	quantity of hematopoietic progenitor cells	3.44E-08	221
Mammary	Alfalfa				
gland	hay	Positive	secretion of molecule	3.52E-08	272
Mammary	Alfalfa				
gland	hay	Positive	chemotaxis	3.63E-08	269
Mammary	Alfalfa				
gland	hay	Positive	mass of adipose tissue	3.66E-08	102
Mammary	Alfalfa				
gland	hay	Positive	concentration of phospholipid	3.73E-08	99
Mammary	Alfalfa				
gland	hay	Positive	infection of embryonic cell lines	3.83E-08	143
Mammary	Alfalfa				
gland	hay	Positive	infection of epithelial cell lines	3.83E-08	143
Mammary	Alfalfa				
gland	hay	Positive	formation of blood cells	3.83E-08	106
Mammary	Alfalfa				
gland	hay	Positive	arrest in interphase	4.00E-08	209
Mammary	Alfalfa				
gland	hay	Positive	metastasis	4.02E-08	367
Mammary	Alfalfa				
gland	hay	Positive	export of molecule	4.06E-08	152
Mammary	Alfalfa	Positive	Hypoplasia	4.21E-08	250

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	morphology of lung	4.47E-08	101
Mammary	Alfalfa				
gland	hay	Positive	activation of blood cells	4.51E-08	361
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of genital organ	4.71E-08	205
Mammary	Alfalfa				
gland	hay	Positive	differentiation of bone	4.72E-08	206
Mammary	Alfalfa				
gland	hay	Positive	cell death of brain	4.76E-08	150
Mammary	Alfalfa				
gland	hay	Positive	Dermatitis	4.76E-08	217
Mammary	Alfalfa				
gland	hay	Positive	formation of leukocytes	4.84E-08	87
Mammary	Alfalfa				
gland	hay	Positive	migration of smooth muscle cells	4.94E-08	82
Mammary	Alfalfa				
gland	hay	Positive	migration of muscle cells	4.97E-08	90
Mammary	Alfalfa				
gland	hay	Positive	targeting of protein	5.16E-08	73
Mammary	Alfalfa				
gland	hay	Positive	differentiation of T lymphocytes	5.17E-08	191
Mammary	Alfalfa				
gland	hay	Positive	growth of lymphatic system component	5.24E-08	103
Mammary	Alfalfa				
gland	hay	Positive	differentiation of muscle	5.41E-08	155
Mammary	Alfalfa				
gland	hay	Positive	proliferation of lymphatic system cells	5.41E-08	107
Mammary	Alfalfa				
gland	hay	Positive	metabolism of DNA	5.41E-08	200
Mammary	Alfalfa				
gland	hay	Positive	urogenital cancer	5.41E-08	1962
Mammary	Alfalfa				
gland	hay	Positive	differentiation of bone cells	5.47E-08	204
Mammary	Alfalfa				
gland	hay	Positive	formation of actin filaments	5.47E-08	156
Mammary	Alfalfa				
gland	hay	Positive	migration of endothelial cells	5.59E-08	167
Mammary	Alfalfa				
gland	hay	Positive	degeneration of neurons	5.69E-08	125
Mammary	Alfalfa				
gland	hay	Positive	cell death of fibroblasts	5.96E-08	137
Mammary	Alfalfa	Positive	blood protein disorder	6.03E-08	189

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	accumulation of blood cells	6.03E-08	144
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of cervical cancer cell lines	6.23E-08	145
Mammary	Alfalfa				
gland	hay	Positive	quantity of thymus gland	6.24E-08	122
Mammary	Alfalfa				
gland	hay	Positive	quantity of B lymphocytes	6.28E-08	175
Mammary	Alfalfa				
gland	hay	Positive	infection of kidney cell lines	6.39E-08	146
Mammary	Alfalfa				
gland	hay	Positive	cell death of muscle cells	7.18E-08	170
Mammary	Alfalfa				
gland	hay	Positive	generation of leukocytes	7.43E-08	88
Mammary	Alfalfa				
gland	hay	Positive	degeneration of cells	7.58E-08	174
Mammary	Alfalfa				
gland	hay	Positive	cell movement of neutrophils	7.58E-08	152
Mammary	Alfalfa				
gland	hay	Positive	invasion of carcinoma cell lines	8.07E-08	105
Mammary	Alfalfa				
gland	hay	Positive	transmembrane potential of mitochondria	8.10E-08	113
Mammary	Alfalfa				
gland	hay	Positive	function of phagocytes	8.34E-08	156
Mammary	Alfalfa				
gland	hay	Positive	synthesis of reactive oxygen species	8.38E-08	237
Mammary	Alfalfa				
gland	hay	Positive	production of reactive oxygen species	8.39E-08	184
Mammary	Alfalfa				
gland	hay	Positive	paraproteinemia	8.71E-08	170
Mammary	Alfalfa				
gland	hay	Positive	quantity of antigen presenting cells	8.85E-08	142
Mammary	Alfalfa				
gland	hay	Positive	quantity of phagocytes	9.22E-08	211
Mammary	Alfalfa				
gland	hay	Positive	tumorigenesis of reproductive tract	9.44E-08	1517
Mammary	Alfalfa				
gland	hay	Positive	cell death of central nervous system cells	1.09E-07	149
Mammary	Alfalfa				
gland	hay	Positive	generation of blood cells	1.15E-07	89
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of internal genitalia	1.15E-07	176
Mammary	Alfalfa	Positive	quantity of thymocytes	1.22E-07	120

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	cell death of kidney cell lines	1.23E-07	154
Mammary	Alfalfa				
gland	hay	Positive	branching of neurons	1.25E-07	146
Mammary	Alfalfa				
gland	hay	Positive	I-kappaB kinase/NF-kappaB cascade	1.26E-07	93
Mammary	Alfalfa				
gland	hay	Positive	plasma cell dyscrasia	1.29E-07	169
Mammary	Alfalfa				
gland	hay	Positive	concentration of cholesterol	1.32E-07	148
Mammary	Alfalfa				
gland	hay	Positive	function of mononuclear leukocytes	1.33E-07	172
Mammary	Alfalfa				
gland	hay	Positive	cell death of muscle	1.34E-07	173
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of muscle	1.36E-07	160
Mammary	Alfalfa				
gland	hay	Positive	Hypertrophy	1.39E-07	233
Mammary	Alfalfa				
gland	hay	Positive	activation of leukocytes	1.50E-07	336
Mammary	Alfalfa				
gland	hay	Positive	concentration of sterol	1.53E-07	155
Mammary	Alfalfa				
gland	hay	Positive	metabolism of membrane lipid derivative	1.53E-07	193
Mammary	Alfalfa				
gland	hay	Positive	cell viability of cervical cancer cell lines	1.53E-07	115
Mammary	Alfalfa				
gland	hay	Positive	function of lymphocytes	1.59E-07	171
Mammary	Alfalfa				
gland	hay	Positive	necrosis of muscle	1.61E-07	172
Mammary	Alfalfa				
gland	hay	Positive	cell death of tumor	1.83E-07	190
Mammary	Alfalfa				
gland	hay	Positive	cellular infiltration of blood cells	1.84E-07	193
Mammary	Alfalfa				
gland	hay	Positive	branching of neurites	2.13E-07	141
Mammary	Alfalfa				
gland	hay	Positive	proliferation of vascular smooth muscle cells	2.15E-07	83
Mammary	Alfalfa				
gland	hay	Positive	morphology of pulmonary alveolus	2.20E-07	66
Mammary	Alfalfa				
gland	hay	Positive	autophagy of cells	2.23E-07	135
Mammary	Alfalfa	Positive	growth of skin	2.34E-07	113

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	morphology of heart ventricle	2.47E-07	101
Mammary	Alfalfa				
gland	hay	Positive	female genital tract cancer	2.49E-07	1503
Mammary	Alfalfa				
gland	hay	Positive	neoplasia of cells	2.49E-07	218
Mammary	Alfalfa				
gland	hay	Positive	incidence of tumor	2.56E-07	161
Mammary	Alfalfa				
gland	hay	Positive	cell movement of granulocytes	2.58E-07	184
Mammary	Alfalfa				
gland	hay	Positive	development of digestive system	2.62E-07	190
Mammary	Alfalfa				
gland	hay	Positive	cellular infiltration by leukocytes	2.62E-07	192
Mammary	Alfalfa				
gland	hay	Positive	allergy	2.62E-07	200
Mammary	Alfalfa				
gland	hay	Positive	morphology of muscle cells	2.64E-07	88
Mammary	Alfalfa				
gland	hay	Positive	biosynthesis of polyunsaturated fatty acids	2.69E-07	116
Mammary	Alfalfa				
gland	hay	Positive	mass of organism	2.73E-07	167
Mammary	Alfalfa				
gland	hay	Positive	cell death of hematopoietic cells	2.76E-07	122
Mammary	Alfalfa				
gland	hay	Positive	bone mineral density	2.81E-07	92
Mammary	Alfalfa				
gland	hay	Positive	formation of actin stress fibers	2.87E-07	123
Mammary	Alfalfa				
gland	hay	Positive	epileptic seizure	2.88E-07	89
Mammary	Alfalfa				
gland	hay	Positive	progression of tumor	2.91E-07	86
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of lung	2.91E-07	96
Mammary	Alfalfa				
gland	hay	Positive	cell death of cerebral cortex cells	2.93E-07	118
Mammary	Alfalfa				
gland	hay	Positive	congenital malformation of skeleton	3.00E-07	208
Mammary	Alfalfa				
gland	hay	Positive	cellular infiltration of cells	3.08E-07	196
Mammary	Alfalfa				
gland	hay	Positive	mammary tumor	3.14E-07	748
Mammary	Alfalfa	Positive	development of hematopoietic system	3.32E-07	127

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	function of muscle	3.45E-07	173
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of kidney cell lines	3.48E-07	122
Mammary	Alfalfa				
gland	hay	Positive	cell death of tumor cells	3.63E-07	184
Mammary	Alfalfa				
gland	hay	Positive	morphology of gonad	3.65E-07	187
Mammary	Alfalfa				
gland	hay	Positive	necrosis of tumor	3.65E-07	188
Mammary	Alfalfa				
gland	hay	Positive	metabolism of reactive oxygen species	3.67E-07	243
Mammary	Alfalfa				
gland	hay	Positive	transformation of fibroblast cell lines	3.77E-07	131
Mammary	Alfalfa				
gland	hay	Positive	hepatobiliary system cancer	4.02E-07	1903
Mammary	Alfalfa				
gland	hay	Positive	differentiation of muscle cells	4.06E-07	142
Mammary	Alfalfa				
gland	hay	Positive	ovarian cancer	4.22E-07	339
Mammary	Alfalfa				
gland	hay	Positive	migration of carcinoma cell lines	4.23E-07	90
Mammary	Alfalfa				
gland	hay	Positive	binding of protein binding site	4.32E-07	145
Mammary	Alfalfa				
gland	hay	Positive	vascular lesion	4.35E-07	116
Mammary	Alfalfa		intermediate disease stage peripheral arterial		
gland	hay	Positive	disease	4.41E-07	84
Mammary	Alfalfa				
gland	hay	Positive	quantity of cytokine	4.42E-07	129
Mammary	Alfalfa				
gland	hay	Positive	development of abdomen	4.55E-07	279
Mammary	Alfalfa				
gland	hay	Positive	cell death of pheochromocytoma cell lines	4.61E-07	66
Mammary	Alfalfa				
gland	hay	Positive	cellular infiltration	4.70E-07	214
Mammary	Alfalfa				
gland	hay	Positive	generation of lymphocytes	4.70E-07	76
Mammary	Alfalfa				
gland	hay	Positive	movement of vascular endothelial cells	4.70E-07	95
Mammary	Alfalfa				
gland	hay	Positive	cell death of embryonic cells	4.76E-07	64
Mammary	Alfalfa	Positive	S phase	4.80E-07	132

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	cell viability of connective tissue cells	5.57E-07	72
Mammary	Alfalfa				
gland	hay	Positive	concentration of acylglycerol	5.70E-07	166
Mammary	Alfalfa				
gland	hay	Positive	catabolism of protein	5.76E-07	289
Mammary	Alfalfa				
gland	hay	Positive	secretory pathway	5.77E-07	102
Mammary	Alfalfa				
gland	hay	Positive	Rheumatic Disease	5.78E-07	501
Mammary	Alfalfa				
gland	hay	Positive	G1 phase	6.09E-07	191
Mammary	Alfalfa				
gland	hay	Positive	synthesis of eicosanoid	6.17E-07	113
Mammary	Alfalfa				
gland	hay	Positive	quantity of macrophages	6.50E-07	104
Mammary	Alfalfa				
gland	hay	Positive	hepatocellular carcinoma	6.51E-07	1834
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of pheochromocytoma cell lines	7.04E-07	52
Mammary	Alfalfa				
gland	hay	Positive	skin abnormality	7.04E-07	116
Mammary	Alfalfa				
gland	hay	Positive	quantity of double-positive thymocyte	7.31E-07	62
Mammary	Alfalfa				
gland	hay	Positive	colorectal neoplasia	7.35E-07	1901
Mammary	Alfalfa				
gland	hay	Positive	generation of mononuclear leukocytes	7.41E-07	77
Mammary	Alfalfa				
gland	hay	Positive	function of antigen presenting cells	7.43E-07	124
Mammary	Alfalfa				
gland	hay	Positive	Cytosis	7.83E-07	159
Mammary	Alfalfa				
gland	hay	Positive	formation of filopodia	7.87E-07	87
Mammary	Alfalfa				
gland	hay	Positive	formation of connective tissue cells	7.99E-07	108
Mammary	Alfalfa				
gland	hay	Positive	metabolism of nucleic acid component or derivative	7.99E-07	250
Mammary	Alfalfa				
gland	hay	Positive	cell death of cortical neurons	8.12E-07	91
Mammary	Alfalfa				
gland	hay	Positive	adhesion of immune cells	8.47E-07	172
Mammary	Alfalfa	Positive	Oral Cancer and Tumors	8.88E-07	116

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	morphology of intestine	8.88E-07	116
Mammary	Alfalfa				
gland	hay	Positive	formation of eye	8.89E-07	213
Mammary	Alfalfa				
gland	hay	Positive	morphology of secondary lymphoid organ	8.90E-07	140
Mammary	Alfalfa				
gland	hay	Positive	mass of fat pad	8.91E-07	61
Mammary	Alfalfa				
gland	hay	Positive	shape change of neurites	9.21E-07	142
Mammary	Alfalfa				
gland	hay	Positive	benign neoplasm of female genital organ	9.24E-07	207
Mammary	Alfalfa				
gland	hay	Positive	liver tumor	9.58E-07	1902
Mammary	Alfalfa				
gland	hay	Positive	adenoma	9.64E-07	265
Mammary	Alfalfa				
gland	hay	Positive	accumulation of leukocytes	9.64E-07	134
Mammary	Alfalfa				
gland	hay	Positive	liver lesion	9.75E-07	1903
Mammary	Alfalfa				
gland	hay	Positive	DNA replication	9.75E-07	126
Mammary	Alfalfa				
gland	hay	Positive	recruitment of cells	1.01E-06	175
Mammary	Alfalfa				
gland	hay	Positive	quantity of natural killer T lymphocytes	1.01E-06	39
Mammary	Alfalfa				
gland	hay	Positive	pelvic tumor	1.02E-06	1907
Mammary	Alfalfa				
gland	hay	Positive	cell death of sarcoma cell lines	1.07E-06	115
Mammary	Alfalfa				
gland	hay	Positive	oral cancer	1.07E-06	115
Mammary	Alfalfa				
gland	hay	Positive	colon cancer	1.09E-06	1625
Mammary	Alfalfa				
gland	hay	Positive	proliferation of T lymphocytes	1.10E-06	288
Mammary	Alfalfa				
gland	hay	Positive	shape change of tumor cell lines	1.10E-06	81
Mammary	Alfalfa				
gland	hay	Positive	tumorigenesis of intestine	1.15E-06	1633
Mammary	Alfalfa				
gland	hay	Positive	urination disorder	1.15E-06	144
Mammary	Alfalfa	Positive	intestinal tumor	1.15E-06	1904

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	gastrointestinal adenocarcinoma	1.20E-06	1866
Mammary	Alfalfa				
gland	hay	Positive	development of central nervous system	1.21E-06	303
Mammary	Alfalfa				
gland	hay	Positive	pelvic cancer	1.22E-06	1894
Mammary	Alfalfa				
gland	hay	Positive	cell death of brain cells	1.22E-06	136
Mammary	Alfalfa				
gland	hay	Positive	organization of actin cytoskeleton	1.22E-06	149
Mammary	Alfalfa				
gland	hay	Positive	uptake of D-hexose	1.24E-06	113
Mammary	Alfalfa				
gland	hay	Positive	function of myeloid cells	1.26E-06	120
Mammary	Alfalfa				
gland	hay	Positive	morphology of spleen	1.29E-06	139
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of liver	1.32E-06	83
Mammary	Alfalfa				
gland	hay	Positive	cell death of heart	1.33E-06	115
Mammary	Alfalfa				
gland	hay	Positive	cell death of hematopoietic progenitor cells	1.33E-06	115
Mammary	Alfalfa				
gland	hay	Positive	cell death of neuroblastoma cell lines	1.34E-06	99
Mammary	Alfalfa				
gland	hay	Positive	formation of osteoclasts	1.34E-06	66
Mammary	Alfalfa				
gland	hay	Positive	quantity of interleukin	1.35E-06	74
Mammary	Alfalfa				
gland	hay	Positive	phosphorylation of L-tyrosine	1.38E-06	91
Mammary	Alfalfa				
gland	hay	Positive	abnormal morphology of gonad	1.40E-06	178
Mammary	Alfalfa				
gland	hay	Positive	cell death of liver cells	1.41E-06	100
Mammary	Alfalfa				
gland	hay	Positive	neoplasia of colon	1.42E-06	1628
Mammary	Alfalfa				
gland	hay	Positive	morphology of testis	1.46E-06	135
Mammary	Alfalfa				
gland	hay	Positive	development of sensory organ	1.50E-06	269
Mammary	Alfalfa				
gland	hay	Positive	formation of vascular lesion	1.50E-06	62
Mammary	Alfalfa	Positive	liver cancer	1.51E-06	1887

gland	hay				
Mammary	Alfalfa				
gland	hay	Positive	colon tumor	1.67E-06	1632
Mammary	Alfalfa				
gland	hay	Positive	cell movement of fibroblasts	1.68E-06	94
Mammary	Alfalfa				
gland	hay	Positive	colorectal cancer	1.70E-06	1871
Mammary	Alfalfa				
gland	hay	Positive	cytopenia	1.75E-06	147
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of fibroblasts	1.75E-06	110
Mammary	Alfalfa				
gland	hay	Positive	binding of cells	1.77E-06	230
Mammary	Alfalfa				
gland	hay	Positive	morphology of skin	1.79E-06	135
Mammary	Alfalfa				
gland	hay	Positive	cellular infiltration of phagocytes	1.80E-06	91
Mammary	Alfalfa				
gland	hay	Positive	quantity of reactive oxygen species	1.80E-06	91
Mammary	Alfalfa				
gland	hay	Positive	cell death of heart cells	1.81E-06	111
Mammary	Alfalfa				
gland	hay	Positive	ion homeostasis of cells	1.82E-06	265
Mammary	Alfalfa				
gland	hay	Positive	production of HIV	1.82E-06	35
Mammary	Alfalfa				
gland	hay	Positive	connective or soft tissue tumor	1.90E-06	332
Mammary	Alfalfa				
gland	hay	Positive	polymerization of protein	1.94E-06	180
Mammary	Alfalfa				
gland	hay	Positive	differentiation of epithelial tissue	1.96E-06	175
Mammary	Alfalfa				
gland	hay	Positive	apoptosis of hematopoietic cells	2.13E-06	109
Mammary	Alfalfa				
gland	hay	Positive	function of heart	2.15E-06	116
Mammary	Alfalfa				
gland	hay	Positive	uterine serous papillary cancer	2.15E-06	116
Mammary	Alfalfa				
gland	hay	Negative	organismal death	2.24E-18	502
Mammary	Alfalfa				
gland	hay	Negative	morbidity or mortality	2.71E-18	506
Mammary	Alfalfa				
gland	hay	Negative	malignant solid tumor	4.23E-18	1770
Mammary	Alfalfa	Negative	cancer	4.23E-18	1788

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	morphology of cells	1.04E-15	411
Mammary	Alfalfa				
gland	hay	Negative	organization of cytoplasm	1.30E-13	330
Mammary	Alfalfa				
gland	hay	Negative	cell death	1.38E-13	632
Mammary	Alfalfa				
gland	hay	Negative	proliferation of cells	1.98E-13	688
Mammary	Alfalfa				
gland	hay	Negative	organization of cytoskeleton	4.15E-13	303
Mammary	Alfalfa				
gland	hay	Negative	tumorigenesis of tissue	4.97E-12	1495
Mammary	Alfalfa				
gland	hay	Negative	apoptosis	1.11E-11	508
Mammary	Alfalfa				
gland	hay	Negative	neoplasia of epithelial tissue	1.48E-11	1470
Mammary	Alfalfa				
gland	hay	Negative	transport of molecule	6.71E-11	331
Mammary	Alfalfa				
gland	hay	Negative	cell movement	7.74E-11	418
Mammary	Alfalfa				
gland	hay	Negative	epithelial cancer	9.72E-11	1452
Mammary	Alfalfa				
gland	hay	Negative	necrosis	1.21E-10	490
Mammary	Alfalfa				
gland	hay	Negative	microtubule dynamics	1.64E-10	254
Mammary	Alfalfa				
gland	hay	Negative	development of vasculature	9.99E-10	107
Mammary	Alfalfa				
gland	hay	Negative	morphology of cardiovascular system	3.69E-09	145
Mammary	Alfalfa				
gland	hay	Negative	Movement Disorders	6.79E-09	225
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of cells	1.95E-08	259
Mammary	Alfalfa				
gland	hay	Negative	migration of cells	4.78E-08	365
Mammary	Alfalfa				
gland	hay	Negative	differentiation of cells	8.03E-08	421
Mammary	Alfalfa				
gland	hay	Negative	proliferation of connective tissue cells	1.71E-07	134
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of cardiovascular system	1.85E-07	129
Mammary	Alfalfa	Negative	quantity of cells	1.85E-07	339

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	transcription	2.21E-07	376
Mammary	Alfalfa				
gland	hay	Negative	growth of connective tissue	2.23E-07	143
Mammary	Alfalfa				
gland	hay	Negative	formation of cellular protrusions	2.41E-07	190
Mammary	Alfalfa				
gland	hay	Negative	urination disorder	2.61E-07	74
Mammary	Alfalfa				
gland	hay	Negative	abdominal neoplasm	2.70E-07	1429
Mammary	Alfalfa				
gland	hay	Negative	transcription of RNA	3.19E-07	352
Mammary	Alfalfa				
gland	hay	Negative	cell viability	3.79E-07	258
Mammary	Alfalfa				
gland	hay	Negative	cell death of tumor cell lines	9.49E-07	294
Mammary	Alfalfa				
gland	hay	Negative	cell movement of tumor cell lines	9.58E-07	178
Mammary	Alfalfa				
gland	hay	Negative	expression of RNA	1.08E-06	396
Mammary	Alfalfa				
gland	hay	Negative	cell survival	1.15E-06	271
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of tumor cell lines	1.20E-06	240
Mammary	Alfalfa				
gland	hay	Negative	neuromuscular disease	1.20E-06	183
Mammary	Alfalfa				
gland	hay	Negative	angiogenesis	1.31E-06	187
Mammary	Alfalfa				
gland	hay	Negative	Viral Infection	1.46E-06	307
Mammary	Alfalfa				
gland	hay	Negative	ruffling	1.50E-06	34
Mammary	Alfalfa				
gland	hay	Negative	morphology of vessel	1.51E-06	75
Mammary	Alfalfa				
gland	hay	Negative	abdominal cancer	3.31E-06	1404
Mammary	Alfalfa				
gland	hay	Negative	cell viability of tumor cell lines	3.76E-06	162
Mammary	Alfalfa				
gland	hay	Negative	morphology of blood vessel	3.88E-06	69
Mammary	Alfalfa				
gland	hay	Negative	growth of organism	4.08E-06	172
Mammary	Alfalfa	Negative	quantity of leukocytes	4.16E-06	186

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	synthesis of lipid	4.33E-06	150
Mammary	Alfalfa				
gland	hay	Negative	vasculogenesis	4.35E-06	154
Mammary	Alfalfa				
gland	hay	Negative	quantity of blood cells	4.75E-06	205
Mammary	Alfalfa				
gland	hay	Negative	organization of actin cytoskeleton	5.86E-06	72
Mammary	Alfalfa				
gland	hay	Negative	metabolism of carbohydrate	7.32E-06	132
Mammary	Alfalfa				
gland	hay	Negative	necrosis of epithelial tissue	7.50E-06	126
Mammary	Alfalfa				
gland	hay	Negative	digestive organ tumor	7.72E-06	1233
Mammary	Alfalfa				
gland	hay	Negative	digestive system cancer	8.17E-06	1222
Mammary	Alfalfa				
gland	hay	Negative	benign neoplasia	8.22E-06	186
Mammary	Alfalfa				
gland	hay	Negative	cellular homeostasis	1.11E-05	286
Mammary	Alfalfa				
gland	hay	Negative	dyskinesia	1.35E-05	130
Mammary	Alfalfa				
gland	hay	Negative	leukocyte migration	1.70E-05	175
Mammary	Alfalfa				
gland	hay	Negative	transcription of DNA	1.77E-05	287
Mammary	Alfalfa				
gland	hay	Negative	formation of skin	1.77E-05	83
Mammary	Alfalfa				
gland	hay	Negative	proliferation of tumor cell lines	1.77E-05	289
Mammary	Alfalfa				
gland	hay	Negative	seizures	1.92E-05	89
Mammary	Alfalfa				
gland	hay	Negative	proteinuria	1.93E-05	43
Mammary	Alfalfa				
gland	hay	Negative	disorder of basal ganglia	2.01E-05	156
Mammary	Alfalfa				
gland	hay	Negative	invasion of carcinoma cell lines	2.01E-05	50
Mammary	Alfalfa				
gland	hay	Negative	invasion of cells	2.05E-05	174
Mammary	Alfalfa				
gland	hay	Negative	neurological signs	2.31E-05	135
Mammary	Alfalfa	Negative	growth of epithelial tissue	2.50E-05	140

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	development of body trunk	3.65E-05	215
Mammary	Alfalfa				
gland	hay	Negative	cell death of epithelial cells	3.77E-05	106
Mammary	Alfalfa				
gland	hay	Negative	seizure disorder	3.77E-05	101
Mammary	Alfalfa				
gland	hay	Negative	morphology of heart	3.83E-05	89
Mammary	Alfalfa				
gland	hay	Negative	proliferation of fibroblasts	4.02E-05	79
Mammary	Alfalfa				
gland	hay	Negative	Huntington's Disease	4.02E-05	120
Mammary	Alfalfa				
gland	hay	Negative	growth of embryo	4.35E-05	102
Mammary	Alfalfa				
gland	hay	Negative	Growth Failure	4.73E-05	124
Mammary	Alfalfa				
gland	hay	Negative	cellular infiltration	6.89E-05	94
Mammary	Alfalfa				
gland	hay	Negative	cell death of connective tissue cells	7.04E-05	124
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of embryonic tissue	7.20E-05	114
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of thoracic cavity	7.20E-05	121
Mammary	Alfalfa				
gland	hay	Negative	Fibrosis	7.88E-05	111
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of epithelial tissue	8.55E-05	90
Mammary	Alfalfa				
gland	hay	Negative	migration of tumor cell lines	8.68E-05	142
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of blood vessel	1.01E-04	61
Mammary	Alfalfa				
gland	hay	Negative	endocytosis	1.01E-04	76
Mammary	Alfalfa				
gland	hay	Negative	synthesis of nitric oxide	1.10E-04	63
Mammary	Alfalfa				
gland	hay	Negative	cell movement of leukocytes	1.11E-04	152
Mammary	Alfalfa				
gland	hay	Negative	cell death of epithelial cell lines	1.18E-04	64
Mammary	Alfalfa				
gland	hay	Negative	accumulation of cells	1.24E-04	77
Mammary	Alfalfa	Negative	neuritogenesis	1.37E-04	119

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	formation of plasma membrane projections	1.65E-04	121
Mammary	Alfalfa				
gland	hay	Negative	proliferation of hematopoietic progenitor cells	1.65E-04	56
Mammary	Alfalfa				
gland	hay	Negative	transport of alpha-amino acid	1.66E-04	22
Mammary	Alfalfa				
gland	hay	Negative	proliferation of smooth muscle cells	1.70E-04	64
Mammary	Alfalfa				
gland	hay	Negative	reorganization of cytoskeleton	1.89E-04	46
Mammary	Alfalfa				
gland	hay	Negative	proliferation of hematopoietic cells	1.99E-04	58
Mammary	Alfalfa				
gland	hay	Negative	size of body	2.08E-04	165
Mammary	Alfalfa				
gland	hay	Negative	morphology of bone	2.18E-04	94
Mammary	Alfalfa				
gland	hay	Negative	dysgenesis	2.36E-04	110
Mammary	Alfalfa				
gland	hay	Negative	formation of thymus gland	2.58E-04	40
Mammary	Alfalfa				
gland	hay	Negative	neuronal cell death	2.58E-04	135
Mammary	Alfalfa				
gland	hay	Negative	morphogenesis of neurons	2.72E-04	89
Mammary	Alfalfa				
gland	hay	Negative	synthesis of carbohydrate	2.72E-04	89
Mammary	Alfalfa				
gland	hay	Negative	invasion of tumor cell lines	2.72E-04	132
Mammary	Alfalfa				
gland	hay	Negative	cell death of phagocytes	2.76E-04	49
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of bone	2.76E-04	91
Mammary	Alfalfa				
gland	hay	Negative	function of blood cells	2.76E-04	118
Mammary	Alfalfa				
gland	hay	Negative	adhesion of immune cells	2.79E-04	75
Mammary	Alfalfa				
gland	hay	Negative	organization of filaments	2.98E-04	48
Mammary	Alfalfa				
gland	hay	Negative	concentration of lipid	3.07E-04	157
Mammary	Alfalfa				
gland	hay	Negative	quantity of lymphocytes	3.07E-04	139
Mammary	Alfalfa	Negative	Organ Degeneration	3.14E-04	101

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of heart	3.14E-04	81
Mammary	Alfalfa				
gland	hay	Negative	perinatal death	3.14E-04	119
Mammary	Alfalfa				
gland	hay	Negative	Hypoplasia	3.14E-04	103
Mammary	Alfalfa				
gland	hay	Negative	cell death of fibroblasts	3.16E-04	59
Mammary	Alfalfa				
gland	hay	Negative	proliferation of embryonic cells	3.25E-04	56
Mammary	Alfalfa				
gland	hay	Negative	transactivation	3.27E-04	116
Mammary	Alfalfa				
gland	hay	Negative	formation of cells	3.32E-04	186
Mammary	Alfalfa				
gland	hay	Negative	proliferation of bone marrow cells	3.47E-04	31
Mammary	Alfalfa				
gland	hay	Negative	cell movement of myeloid cells	3.57E-04	109
Mammary	Alfalfa				
gland	hay	Negative	development of cytoplasm	3.57E-04	95
Mammary	Alfalfa				
gland	hay	Negative	proliferation of fibroblast cell lines	3.58E-04	88
Mammary	Alfalfa				
gland	hay	Negative	accumulation of lipid	3.85E-04	65
Mammary	Alfalfa				
gland	hay	Negative	function of cardiovascular system	3.91E-04	78
Mammary	Alfalfa				
gland	hay	Negative	cell death of pheochromocytoma cell lines	3.94E-04	31
Mammary	Alfalfa				
gland	hay	Negative	adenoma	3.94E-04	111
Mammary	Alfalfa				
gland	hay	Negative	function of leukocytes	4.43E-04	108
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of neutrophils	4.44E-04	19
Mammary	Alfalfa				
gland	hay	Negative	cellular infiltration by leukocytes	4.50E-04	81
Mammary	Alfalfa				
gland	hay	Negative	metabolism of membrane lipid derivative	4.50E-04	81
Mammary	Alfalfa				
gland	hay	Negative	adhesion of blood cells	4.55E-04	79
Mammary	Alfalfa				
gland	hay	Negative	cell death of embryonic cells	4.59E-04	30
Mammary	Alfalfa	Negative	apoptosis of phagocytes	4.70E-04	44

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	transmigration of cells	4.70E-04	38
Mammary	Alfalfa				
gland	hay	Negative	organization of organelle	5.11E-04	108
Mammary	Alfalfa				
gland	hay	Negative	secretion of molecule	5.43E-04	110
Mammary	Alfalfa				
gland	hay	Negative	homing of cells	5.75E-04	111
Mammary	Alfalfa				
gland	hay	Negative	development of hematopoietic system	5.94E-04	55
Mammary	Alfalfa				
gland	hay	Negative	long-term potentiation	5.99E-04	54
Mammary	Alfalfa				
gland	hay	Negative	proliferation of lymphatic system cells	6.01E-04	46
Mammary	Alfalfa				
gland	hay	Negative	degeneration of nervous system	6.01E-04	62
Mammary	Alfalfa				
gland	hay	Negative	morphology of head	6.03E-04	166
Mammary	Alfalfa				
gland	hay	Negative	migration of mesenchymal stem cells	6.21E-04	11
Mammary	Alfalfa				
gland	hay	Negative	cellular infiltration of cells	6.27E-04	82
Mammary	Alfalfa				
gland	hay	Negative	quantity of embryonic cells	6.28E-04	22
Mammary	Alfalfa				
gland	hay	Negative	cell movement of endothelial cells	6.71E-04	74
Mammary	Alfalfa				
gland	hay	Negative	proliferation of epithelial cells	6.76E-04	99
Mammary	Alfalfa				
gland	hay	Negative	cell movement of muscle cells	6.76E-04	42
Mammary	Alfalfa				
gland	hay	Negative	migration of muscle cells	6.80E-04	39
Mammary	Alfalfa				
gland	hay	Negative	cell movement of phagocytes	6.80E-04	109
Mammary	Alfalfa				
gland	hay	Negative	transactivation of RNA	6.80E-04	108
Mammary	Alfalfa				
gland	hay	Negative	proliferation of muscle cells	7.10E-04	77
Mammary	Alfalfa				
gland	hay	Negative	cell death of myeloid cells	7.10E-04	48
Mammary	Alfalfa				
gland	hay	Negative	cell death of kidney cells	7.28E-04	73
Mammary	Alfalfa	Negative	autosomal recessive disease	7.31E-04	173

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	protein kinase cascade	7.31E-04	86
Mammary	Alfalfa				
gland	hay	Negative	accumulation of macrophages	7.31E-04	22
Mammary	Alfalfa				
gland	hay	Negative	cell cycle progression	7.31E-04	194
Mammary	Alfalfa				
gland	hay	Negative	formation of filopodia	7.35E-04	39
Mammary	Alfalfa				
gland	hay	Negative	morphology of connective tissue	7.35E-04	93
Mammary	Alfalfa				
gland	hay	Negative	homing	7.64E-04	113
Mammary	Alfalfa				
gland	hay	Negative	binding of mononuclear leukocytes	7.85E-04	29
Mammary	Alfalfa				
gland	hay	Negative	quantity of mononuclear leukocytes	7.91E-04	141
Mammary	Alfalfa				
gland	hay	Negative	transport of L-amino acid	7.92E-04	19
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of connective tissue cells	7.95E-04	63
Mammary	Alfalfa				
gland	hay	Negative	cell death of cervical cancer cell lines	7.95E-04	73
Mammary	Alfalfa				
gland	hay	Negative	concentration of fatty acid	7.95E-04	60
Mammary	Alfalfa				
gland	hay	Negative	morphology of reproductive system	7.95E-04	106
Mammary	Alfalfa				
gland	hay	Negative	proliferation of neuronal cells	8.78E-04	113
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of myeloid cells	8.82E-04	43
Mammary	Alfalfa				
gland	hay	Negative	morphogenesis of neurites	8.93E-04	85
Mammary	Alfalfa				
gland	hay	Negative	epileptic seizure	8.95E-04	39
Mammary	Alfalfa				
gland	hay	Negative	Bleeding	8.96E-04	86
Mammary	Alfalfa				
gland	hay	Negative	binding of endothelial cells	9.21E-04	27
Mammary	Alfalfa				
gland	hay	Negative	oral cancer	9.64E-04	50
Mammary	Alfalfa				
gland	hay	Negative	morphology of body cavity	1.07E-03	217
Mammary	Alfalfa	Negative	cell death of macrophages	1.07E-03	31

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of macrophages	1.07E-03	27
Mammary	Alfalfa				
gland	hay	Negative	formation of vessel component	1.07E-03	20
Mammary	Alfalfa				
gland	hay	Negative	development of neurons	1.13E-03	148
Mammary	Alfalfa				
gland	hay	Negative	cell transformation	1.13E-03	92
Mammary	Alfalfa				
gland	hay	Negative	congenital malformation of brain	1.15E-03	63
Mammary	Alfalfa				
gland	hay	Negative	migration of smooth muscle cells	1.22E-03	35
Mammary	Alfalfa				
gland	hay	Negative	chronic myeloid leukemia	1.25E-03	27
Mammary	Alfalfa				
gland	hay	Negative	accumulation of antigen presenting cells	1.26E-03	23
Mammary	Alfalfa				
gland	hay	Negative	accumulation of myeloid cells	1.26E-03	40
Mammary	Alfalfa				
gland	hay	Negative	activation of antigen presenting cells	1.28E-03	66
Mammary	Alfalfa				
gland	hay	Negative	quantity of cellular protrusions	1.30E-03	37
Mammary	Alfalfa				
gland	hay	Negative	secretory pathway	1.30E-03	44
Mammary	Alfalfa				
gland	hay	Negative	survival of organism	1.30E-03	134
Mammary	Alfalfa				
gland	hay	Negative	synthesis of fatty acid	1.31E-03	65
Mammary	Alfalfa				
gland	hay	Negative	hypersensitive reaction	1.34E-03	86
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of head	1.34E-03	156
Mammary	Alfalfa				
gland	hay	Negative	hypoplasia of organ	1.37E-03	89
Mammary	Alfalfa				
gland	hay	Negative	accumulation of blood cells	1.38E-03	59
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of reproductive system	1.40E-03	100
Mammary	Alfalfa				
gland	hay	Negative	cell death of brain	1.51E-03	61
Mammary	Alfalfa				
gland	hay	Negative	oral squamous cell carcinoma	1.52E-03	40
Mammary	Alfalfa	Negative	quantity of interleukin	1.53E-03	33

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	chemotaxis of cells	1.54E-03	103
Mammary	Alfalfa				
gland	hay	Negative	cell movement of vascular smooth muscle cells	1.55E-03	28
Mammary	Alfalfa				
gland	hay	Negative	phosphorylation of protein	1.55E-03	139
Mammary	Alfalfa				
gland	hay	Negative	cell movement of smooth muscle cells	1.57E-03	37
Mammary	Alfalfa				
gland	hay	Negative	chemotaxis	1.59E-03	106
Mammary	Alfalfa				
gland	hay	Negative	cognition	1.60E-03	90
Mammary	Alfalfa				
gland	hay	Negative	congenital anomaly of musculoskeletal system	1.60E-03	139
Mammary	Alfalfa				
gland	hay	Negative	necrosis of kidney	1.61E-03	74
Mammary	Alfalfa				
gland	hay	Negative	killing of cells	1.62E-03	47
Mammary	Alfalfa				
gland	hay	Negative	activation of DNA endogenous promoter	1.62E-03	218
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of cervical cancer cell lines	1.69E-03	59
Mammary	Alfalfa				
gland	hay	Negative	development of connective tissue	1.74E-03	75
Mammary	Alfalfa				
gland	hay	Negative	formation of vascular lesion	1.74E-03	28
Mammary	Alfalfa				
gland	hay	Negative	polyneuropathy	1.81E-03	27
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of hepatoma cell lines	1.81E-03	35
Mammary	Alfalfa				
gland	hay	Negative	activation of enzyme	1.81E-03	78
Mammary	Alfalfa				
gland	hay	Negative	cell movement of antigen presenting cells	1.82E-03	71
Mammary	Alfalfa				
gland	hay	Negative	skin abnormality	1.85E-03	49
Mammary	Alfalfa				
gland	hay	Negative	Hypertrophy	1.86E-03	93
Mammary	Alfalfa				
gland	hay	Negative	synthesis of DNA	1.89E-03	83
Mammary	Alfalfa				
gland	hay	Negative	binding of lymphocytes	1.92E-03	24
Mammary	Alfalfa	Negative	Dermatitis	1.92E-03	86

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	response of mononuclear leukocytes	1.96E-03	50
Mammary	Alfalfa				
gland	hay	Negative	development of leukocytes	1.96E-03	113
Mammary	Alfalfa				
gland	hay	Negative	exocytosis	1.96E-03	42
Mammary	Alfalfa				
gland	hay	Negative	cell movement of breast cancer cell lines	1.98E-03	60
Mammary	Alfalfa				
gland	hay	Negative	migration of endothelial cells	1.98E-03	67
Mammary	Alfalfa				
gland	hay	Negative	formation of neointima	1.98E-03	19
Mammary	Alfalfa				
gland	hay	Negative	cell death of brain cells	2.02E-03	57
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of zona fasciculata	2.03E-03	7
Mammary	Alfalfa				
gland	hay	Negative	activation of female germ cells	2.04E-03	6
Mammary	Alfalfa				
gland	hay	Negative	development of lymphatic system	2.04E-03	72
Mammary	Alfalfa				
gland	hay	Negative	formation of thymocytes	2.06E-03	26
Mammary	Alfalfa				
gland	hay	Negative	cell death of cerebral cortex cells	2.12E-03	49
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of epithelial cell lines	2.16E-03	48
Mammary	Alfalfa				
gland	hay	Negative	formation of T lymphocytes	2.17E-03	28
Mammary	Alfalfa				
gland	hay	Negative	cell death of embryonic cell lines	2.19E-03	51
Mammary	Alfalfa				
gland	hay	Negative	morphology of nervous system	2.21E-03	146
Mammary	Alfalfa				
gland	hay	Negative	differentiation of leukocytes	2.22E-03	127
Mammary	Alfalfa				
gland	hay	Negative	binding of leukocytes	2.31E-03	40
Mammary	Alfalfa				
gland	hay	Negative	quantity of metal ion	2.33E-03	87
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of skull	2.38E-03	47
Mammary	Alfalfa				
gland	hay	Negative	proliferation of vascular smooth muscle cells	2.39E-03	35
Mammary	Alfalfa	Negative	vascularization	2.42E-03	50

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	cell death of gonadal cell lines	2.45E-03	20
Mammary	Alfalfa				
gland	hay	Negative	glomerulosclerosis	2.45E-03	30
Mammary	Alfalfa				
gland	hay	Negative	cell movement of neutrophils	2.45E-03	61
Mammary	Alfalfa				
gland	hay	Negative	cell movement of granulocytes	2.48E-03	74
Mammary	Alfalfa				
gland	hay	Negative	cell viability of carcinoma cell lines	2.48E-03	33
Mammary	Alfalfa				
gland	hay	Negative	synthesis of phospholipid	2.48E-03	39
Mammary	Alfalfa				
gland	hay	Negative	quantity of IL-6 in blood	2.51E-03	22
Mammary	Alfalfa				
gland	hay	Negative	cell death of central nervous system cells	2.51E-03	60
Mammary	Alfalfa				
gland	hay	Negative	formation of lymphatic system component	2.51E-03	60
Mammary	Alfalfa				
gland	hay	Negative	ubiquitination	2.51E-03	68
Mammary	Alfalfa				
gland	hay	Negative	development of lymphatic system component	2.53E-03	63
Mammary	Alfalfa				
gland	hay	Negative	transport of glutamine family amino acid	2.53E-03	16
Mammary	Alfalfa				
gland	hay	Negative	development of genitourinary system	2.53E-03	163
Mammary	Alfalfa				
gland	hay	Negative	cell viability of muscle cells	2.55E-03	18
Mammary	Alfalfa				
gland	hay	Negative	formation of lymphoid organ	2.55E-03	55
Mammary	Alfalfa				
gland	hay	Negative	allergy	2.55E-03	80
Mammary	Alfalfa				
gland	hay	Negative	proliferation of hepatoma cell lines	2.63E-03	43
Mammary	Alfalfa				
gland	hay	Negative	killing of macrophages	2.63E-03	8
Mammary	Alfalfa				
gland	hay	Negative	fatty acid metabolism	2.74E-03	114
Mammary	Alfalfa				
gland	hay	Negative	ruffling of plasma membrane	2.79E-03	14
Mammary	Alfalfa				
gland	hay	Negative	damage of cellular membrane	2.82E-03	9
Mammary	Alfalfa	Negative	homeostasis of leukocytes	2.82E-03	106

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of pheochromocytoma cell lines	2.82E-03	23
Mammary	Alfalfa				
gland	hay	Negative	learning	2.88E-03	82
Mammary	Alfalfa				
gland	hay	Negative	cell movement of fibroblasts	2.92E-03	40
Mammary	Alfalfa				
gland	hay	Negative	transport of metal	2.92E-03	67
Mammary	Alfalfa				
gland	hay	Negative	heart rate	2.93E-03	57
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of melanoma cell lines	2.97E-03	30
Mammary	Alfalfa				
gland	hay	Negative	reorganization of actin cytoskeleton	2.97E-03	30
Mammary	Alfalfa				
gland	hay	Negative	development of head	2.97E-03	178
Mammary	Alfalfa				
gland	hay	Negative	infection by Retroviridae	2.98E-03	134
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of neurons	3.02E-03	85
Mammary	Alfalfa				
gland	hay	Negative	cell movement of carcinoma cell lines	3.02E-03	44
Mammary	Alfalfa				
gland	hay	Negative	inflammatory response	3.04E-03	144
Mammary	Alfalfa				
gland	hay	Negative	cell movement of connective tissue cells	3.10E-03	47
Mammary	Alfalfa				
gland	hay	Negative	cell death of antigen presenting cells	3.10E-03	36
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of body cavity	3.13E-03	204
Mammary	Alfalfa				
gland	hay	Negative	binding of T lymphocytes	3.13E-03	19
Mammary	Alfalfa				
gland	hay	Negative	inflammation of blood vessel	3.13E-03	11
Mammary	Alfalfa				
gland	hay	Negative	cell death of melanoma cell lines	3.14E-03	52
Mammary	Alfalfa				
gland	hay	Negative	metabolism of phospholipid	3.16E-03	49
Mammary	Alfalfa				
gland	hay	Negative	transport of ion	3.20E-03	97
Mammary	Alfalfa				
gland	hay	Negative	transport of cation	3.25E-03	79
Mammary	Alfalfa	Negative	formation of vesicles	3.30E-03	28

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	morphology of endothelial cells	3.31E-03	17
Mammary	Alfalfa				
gland	hay	Negative	necrosis of tumor	3.34E-03	75
Mammary	Alfalfa				
gland	hay	Negative	transport of inorganic cation	3.35E-03	70
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of cardiomyocytes	3.37E-03	40
Mammary	Alfalfa				
gland	hay	Negative	organization of actin filaments	3.37E-03	25
Mammary	Alfalfa				
gland	hay	Negative	quantity of carbohydrate	3.45E-03	99
Mammary	Alfalfa				
gland	hay	Negative	cell movement of microglia	3.45E-03	13
Mammary	Alfalfa				
gland	hay	Negative	airway hyperresponsiveness	3.46E-03	27
Mammary	Alfalfa				
gland	hay	Negative	epilepsy	3.47E-03	62
Mammary	Alfalfa				
gland	hay	Negative	activation of Protein kinase	3.60E-03	52
Mammary	Alfalfa				
gland	hay	Negative	morphology of blood cells	3.61E-03	81
Mammary	Alfalfa				
gland	hay	Negative	development of blood cells	3.61E-03	122
Mammary	Alfalfa				
gland	hay	Negative	transport of metal ion	3.61E-03	64
Mammary	Alfalfa				
gland	hay	Negative	invasion of squamous cell carcinoma cell lines	3.61E-03	16
Mammary	Alfalfa				
gland	hay	Negative	activation of oocytes	3.63E-03	5
Mammary	Alfalfa				
gland	hay	Negative	formation of cytoskeleton	3.63E-03	74
Mammary	Alfalfa				
gland	hay	Negative	proliferation of blood cells	3.65E-03	154
Mammary	Alfalfa				
gland	hay	Negative	central nervous system tumor	3.65E-03	166
Mammary	Alfalfa				
gland	hay	Negative	proliferation of lung cancer cell lines	3.66E-03	55
Mammary	Alfalfa				
gland	hay	Negative	uptake of monosaccharide	3.66E-03	55
Mammary	Alfalfa				
gland	hay	Negative	cognitive impairment	3.68E-03	66
Mammary	Alfalfa	Negative	differentiation of epithelial tissue	3.70E-03	71

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	invasion of lung cancer cell lines	3.73E-03	25
Mammary	Alfalfa				
gland	hay	Negative	migration of vascular smooth muscle cells	3.73E-03	25
Mammary	Alfalfa				
gland	hay	Negative	cell viability of lung cancer cell lines	3.81E-03	27
Mammary	Alfalfa				
gland	hay	Negative	synthesis of reactive oxygen species	3.84E-03	92
Mammary	Alfalfa				
gland	hay	Negative	Neurodegeneration	3.84E-03	62
Mammary	Alfalfa				
gland	hay	Negative	ubiquitination of protein	3.88E-03	66
Mammary	Alfalfa				
gland	hay	Negative	growth of tumor	3.88E-03	146
Mammary	Alfalfa				
gland	hay	Negative	migration of connective tissue cells	3.91E-03	39
Mammary	Alfalfa				
gland	hay	Negative	cell death of hepatoma cell lines	3.93E-03	37
Mammary	Alfalfa				
gland	hay	Negative	arthropathy	4.00E-03	172
Mammary	Alfalfa				
gland	hay	Negative	accumulation of phagocytes	4.14E-03	32
Mammary	Alfalfa				
gland	hay	Negative	quantity of metal	4.14E-03	95
Mammary	Alfalfa				
gland	hay	Negative	development of abdomen	4.16E-03	109
Mammary	Alfalfa				
gland	hay	Negative	morphology of gonad	4.21E-03	74
Mammary	Alfalfa				
gland	hay	Negative	Lymphocyte homeostasis	4.24E-03	103
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of embryonic cell lines	4.24E-03	39
Mammary	Alfalfa				
gland	hay	Negative	migration of mesenchymal cells	4.24E-03	12
Mammary	Alfalfa				
gland	hay	Negative	quantity of diacylglycerol	4.24E-03	16
Mammary	Alfalfa				
gland	hay	Negative	quantity of antigen presenting cells	4.24E-03	56
Mammary	Alfalfa				
gland	hay	Negative	quantity of myeloid cells	4.26E-03	70
Mammary	Alfalfa				
gland	hay	Negative	morphology of genital organ	4.26E-03	82
Mammary	Alfalfa	Negative	arthritis	4.33E-03	169

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	development of body axis	4.33E-03	188
Mammary	Alfalfa				
gland	hay	Negative	necrosis of liver	4.33E-03	49
Mammary	Alfalfa				
gland	hay	Negative	hemolysis	4.33E-03	24
Mammary	Alfalfa				
gland	hay	Negative	development of epithelial tissue	4.34E-03	98
Mammary	Alfalfa				
gland	hay	Negative	metabolism of reactive oxygen species	4.45E-03	95
Mammary	Alfalfa				
gland	hay	Negative	size of embryo	4.48E-03	70
Mammary	Alfalfa				
gland	hay	Negative	shape change of kidney cell lines	4.49E-03	17
Mammary	Alfalfa				
gland	hay	Negative	cell movement of macrophages	4.51E-03	54
Mammary	Alfalfa				
gland	hay	Negative	cancer of cells	4.51E-03	52
Mammary	Alfalfa				
gland	hay	Negative	fibrosis of heart	4.54E-03	39
Mammary	Alfalfa				
gland	hay	Negative	engulfment of leukocytes	4.59E-03	35
Mammary	Alfalfa				
gland	hay	Negative	migration of myeloid cells	4.59E-03	36
Mammary	Alfalfa				
gland	hay	Negative	hereditary motor and sensory neuropathy	4.59E-03	22
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of kidney cell lines	4.59E-03	49
Mammary	Alfalfa				
gland	hay	Negative	inflammation of organ	4.61E-03	208
Mammary	Alfalfa				
gland	hay	Negative	metastasis of cells	4.61E-03	51
Mammary	Alfalfa				
gland	hay	Negative	homo-oligomerization of protein	4.65E-03	30
Mammary	Alfalfa				
gland	hay	Negative	killing of tumor cell lines	4.66E-03	21
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of antigen presenting cells	4.78E-03	31
Mammary	Alfalfa				
gland	hay	Negative	generation of mononuclear leukocytes	4.88E-03	32
Mammary	Alfalfa				
gland	hay	Negative	HIV infection	4.90E-03	131
Mammary	Alfalfa	Negative	invasion of ovarian cancer cell lines	4.92E-03	14

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	colony formation	4.97E-03	101
Mammary	Alfalfa				
gland	hay	Negative	differentiation of blood cells	4.97E-03	153
Mammary	Alfalfa				
gland	hay	Negative	migration of vascular endothelial cells	4.97E-03	36
Mammary	Alfalfa				
gland	hay	Negative	branching of cells	4.97E-03	72
Mammary	Alfalfa				
gland	hay	Negative	mental retardation	5.05E-03	48
Mammary	Alfalfa				
gland	hay	Negative	accumulation of leukocytes	5.05E-03	54
Mammary	Alfalfa				
gland	hay	Negative	cell death of leukemia cell lines	5.05E-03	63
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of carcinoma cell lines	5.05E-03	50
Mammary	Alfalfa				
gland	hay	Negative	hypertrophy of tissue	5.05E-03	52
Mammary	Alfalfa				
gland	hay	Negative	degranulation of mast cells	5.10E-03	30
Mammary	Alfalfa				
gland	hay	Negative	uptake of 2-deoxyglucose	5.13E-03	25
Mammary	Alfalfa				
gland	hay	Negative	peripheral arterial disease	5.18E-03	44
Mammary	Alfalfa				
gland	hay	Negative	differentiation of connective tissue cells	5.20E-03	119
Mammary	Alfalfa		abnormal morphology of retinal pigment		
gland	hay	Negative	epithelium	5.21E-03	12
Mammary	Alfalfa				
gland	hay	Negative	quantity of trophoblast cells	5.21E-03	12
Mammary	Alfalfa				
gland	hay	Negative	size of animal	5.27E-03	38
Mammary	Alfalfa				
gland	hay	Negative	cell death of hippocampal neurons	5.27E-03	21
Mammary	Alfalfa				
gland	hay	Negative	infection of cells	5.28E-03	145
Mammary	Alfalfa				
gland	hay	Negative	chemoattraction of natural killer cells	5.28E-03	4
Mammary	Alfalfa				
gland	hay	Negative	osmotic water permeability of cells	5.28E-03	4
Mammary	Alfalfa				
gland	hay	Negative	polarization of B-lymphocyte derived cell lines	5.28E-03	4
Mammary	Alfalfa	Negative	syndromic mental retardation	5.28E-03	34

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	generation of leukocytes	5.28E-03	35
Mammary	Alfalfa				
gland	hay	Negative	migration of breast cancer cell lines	5.28E-03	50
Mammary	Alfalfa				
gland	hay	Negative	differentiation of muscle	5.28E-03	60
Mammary	Alfalfa				
gland	hay	Negative	cell death of carcinoma cell lines	5.28E-03	57
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of fibroblasts	5.31E-03	45
Mammary	Alfalfa				
gland	hay	Negative	cell death of liver cells	5.37E-03	41
Mammary	Alfalfa				
gland	hay	Negative	oral cavity carcinoma	5.37E-03	41
Mammary	Alfalfa				
gland	hay	Negative	fibrogenesis	5.42E-03	79
Mammary	Alfalfa				
gland	hay	Negative	chronic inflammatory disorder	5.56E-03	174
Mammary	Alfalfa				
gland	hay	Negative	cell death of kidney cell lines	5.60E-03	60
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of microglia	5.60E-03	8
Mammary	Alfalfa				
gland	hay	Negative	adhesion of mononuclear leukocytes	5.69E-03	32
Mammary	Alfalfa				
gland	hay	Negative	cell death of endothelial cells	5.70E-03	42
Mammary	Alfalfa				
gland	hay	Negative	serous neoplasm	5.77E-03	113
Mammary	Alfalfa				
gland	hay	Negative	exencephaly	5.77E-03	28
Mammary	Alfalfa				
gland	hay	Negative	targeting of protein	5.98E-03	29
Mammary	Alfalfa				
gland	hay	Negative	migration of tumor cells	6.00E-03	46
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of joint	6.00E-03	17
Mammary	Alfalfa				
gland	hay	Negative	outgrowth of plasma membrane projections	6.00E-03	78
Mammary	Alfalfa				
gland	hay	Negative	extension of cellular protrusions	6.00E-03	43
Mammary	Alfalfa				
gland	hay	Negative	attachment of cells	6.08E-03	30
Mammary	Alfalfa	Negative	transport of L-glutamic acid	6.10E-03	10

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	generation of lymphocytes	6.17E-03	31
Mammary	Alfalfa				
gland	hay	Negative	cell death of neuroglia	6.17E-03	27
Mammary	Alfalfa				
gland	hay	Negative	proliferation of myeloid cells	6.17E-03	27
Mammary	Alfalfa				
gland	hay	Negative	quantity of T lymphocytes	6.22E-03	100
Mammary	Alfalfa				
gland	hay	Negative	septic shock	6.24E-03	33
Mammary	Alfalfa				
gland	hay	Negative	adhesion of tumor cell lines	6.32E-03	57
Mammary	Alfalfa				
gland	hay	Negative	adenocarcinoma	6.34E-03	1041
Mammary	Alfalfa				
gland	hay	Negative	quantity of granulocytes	6.43E-03	62
Mammary	Alfalfa				
gland	hay	Negative	development of macrophages	6.43E-03	12
Mammary	Alfalfa				
gland	hay	Negative	morphology of filaments	6.43E-03	11
Mammary	Alfalfa				
gland	hay	Negative	cell death of granulocytes	6.47E-03	22
Mammary	Alfalfa				
gland	hay	Negative	development of myeloid cells	6.47E-03	22
Mammary	Alfalfa				
gland	hay	Negative	formation of muscle	6.57E-03	76
Mammary	Alfalfa				
gland	hay	Negative	differentiation of embryonic tissue	6.57E-03	51
Mammary	Alfalfa				
gland	hay	Negative	quantity of cytokine	6.57E-03	51
Mammary	Alfalfa				
gland	hay	Negative	morphology of cardiovascular tissue	6.69E-03	21
Mammary	Alfalfa				
gland	hay	Negative	metabolism of phosphatidic acid	6.69E-03	36
Mammary	Alfalfa				
gland	hay	Negative	formation of blood cells	6.69E-03	41
Mammary	Alfalfa				
gland	hay	Negative	quantity of B lymphocytes	6.69E-03	67
Mammary	Alfalfa				
gland	hay	Negative	formation of leukocytes	6.77E-03	34
Mammary	Alfalfa				
gland	hay	Negative	branching of neurites	6.77E-03	55
Mammary	Alfalfa	Negative	demyelination	6.77E-03	27

gland	hay					
Mammary	Alfalfa					
gland	hay	Negative	development of hematopoietic progenitor cells	6.80E-03	40	
Mammary	Alfalfa					
gland	hay	Negative	sprouting	6.83E-03	74	
Mammary	Alfalfa					
gland	hay	Negative	removal of cells	6.92E-03	23	
Mammary	Alfalfa					
gland	hay	Negative	organic aciduria	6.92E-03	14	
Mammary	Alfalfa					
gland	hay	Negative	phosphorylation of carbohydrate	6.92E-03	14	
Mammary	Alfalfa					
gland	hay	Negative	cell viability of cervical cancer cell lines	6.92E-03	45	
Mammary	Alfalfa					
gland	hay	Negative	proliferation of immune cells	6.93E-03	143	
Mammary	Alfalfa					
gland	hay	Negative	anemia	6.99E-03	67	
Mammary	Alfalfa					
gland	hay	Negative	movement of vascular endothelial cells	7.00E-03	38	
Mammary	Alfalfa					
gland	hay	Negative	fertility	7.07E-03	70	
Mammary	Alfalfa					
gland	hay	Negative	export of molecule	7.07E-03	58	
Mammary	Alfalfa					
gland	hay	Negative	S phase	7.07E-03	52	
Mammary	Alfalfa					
gland	hay	Negative	outgrowth of neurites	7.09E-03	77	
Mammary	Alfalfa					
gland	hay	Negative	engulfment of blood cells	7.16E-03	36	
Mammary	Alfalfa					
gland	hay	Negative	morphology of uterus	7.19E-03	22	
Mammary	Alfalfa					
gland	hay	Negative	migration of fibroblasts	7.24E-03	31	
Mammary	Alfalfa					
gland	hay	Negative	abnormal morphology of gonad	7.46E-03	70	
Mammary	Alfalfa					
gland	hay	Negative	ion homeostasis of cells	7.51E-03	103	
Mammary	Alfalfa					
gland	hay	Negative	abnormal morphology of neurosensory retina	7.51E-03	21	
Mammary	Alfalfa					
gland	hay	Negative	shape change of neurites	7.76E-03	56	
Mammary	Alfalfa					
gland	hay	Negative	infection by HIV-1	7.77E-03	112	
Mammary	Alfalfa	Negative	permeability of cells	7.77E-03	23	

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	morphology of endothelial tissue	7.77E-03	20
Mammary	Alfalfa				
gland	hay	Negative	activation of neuroglia	7.81E-03	29
Mammary	Alfalfa				
gland	hay	Negative	internalization of cells	7.88E-03	35
Mammary	Alfalfa				
gland	hay	Negative	synthesis of phosphatidic acid	7.88E-03	30
Mammary	Alfalfa				
gland	hay	Negative	necrosis of glioma	7.88E-03	12
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of seminiferous tubule cells	7.88E-03	5
Mammary	Alfalfa				
gland	hay	Negative	development of connective tissue cells	7.88E-03	45
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of PNS glial cells	7.88E-03	8
Mammary	Alfalfa				
gland	hay	Negative	cell death of blood cells	7.88E-03	126
Mammary	Alfalfa				
gland	hay	Negative	migration of granulocytes	7.88E-03	31
Mammary	Alfalfa				
gland	hay	Negative	degranulation of phagocytes	7.88E-03	33
Mammary	Alfalfa				
gland	hay	Negative	aciduria	7.88E-03	17
Mammary	Alfalfa				
gland	hay	Negative	differentiation of smooth muscle	7.88E-03	17
Mammary	Alfalfa				
gland	hay	Negative	thoracic neoplasm	7.88E-03	199
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of epithelial cells	8.05E-03	56
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of tumor cells	8.05E-03	56
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of testicular cells	8.05E-03	7
Mammary	Alfalfa				
gland	hay	Negative	retinal degeneration	8.24E-03	51
Mammary	Alfalfa				
gland	hay	Negative	activation of cells	8.24E-03	173
Mammary	Alfalfa				
gland	hay	Negative	formation of hematopoietic progenitor cells	8.33E-03	28
Mammary	Alfalfa				
gland	hay	Negative	Shock Response	8.33E-03	36
Mammary	Alfalfa	Negative	apoptosis of granulocytes	8.40E-03	21

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	transport of divalent cations	8.43E-03	35
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of nervous system	8.53E-03	131
Mammary	Alfalfa				
gland	hay	Negative	branching of neurons	8.54E-03	56
Mammary	Alfalfa				
gland	hay	Negative	hereditary polyneuropathy	8.56E-03	23
Mammary	Alfalfa				
gland	hay	Negative	growth of skin	8.62E-03	44
Mammary	Alfalfa				
gland	hay	Negative	breast or colorectal cancer	8.67E-03	802
Mammary	Alfalfa				
gland	hay	Negative	shape change of plasma membrane	8.72E-03	15
Mammary	Alfalfa				
gland	hay	Negative	orientation of cells	8.87E-03	37
Mammary	Alfalfa				
gland	hay	Negative	degeneration of cells	8.87E-03	66
Mammary	Alfalfa				
gland	hay	Negative	quantity of Ca ²⁺	8.87E-03	77
Mammary	Alfalfa				
gland	hay	Negative	formation of osteoclasts	8.99E-03	27
Mammary	Alfalfa				
gland	hay	Negative	permeability of blood vessel	9.04E-03	22
Mammary	Alfalfa				
gland	hay	Negative	growth of plasma membrane projections	9.14E-03	87
Mammary	Alfalfa				
gland	hay	Negative	arrest in growth of organism	9.14E-03	35
Mammary	Alfalfa				
gland	hay	Negative	development of antigen presenting cells	9.15E-03	17
Mammary	Alfalfa				
gland	hay	Negative	melanoma	9.16E-03	1059
Mammary	Alfalfa				
gland	hay	Negative	dendritic growth/branching	9.20E-03	44
Mammary	Alfalfa				
gland	hay	Negative	formation of lamellipodia	9.20E-03	34
Mammary	Alfalfa				
gland	hay	Negative	transport of amino acids	9.23E-03	29
Mammary	Alfalfa				
gland	hay	Negative	abnormal morphology of genital organ	9.24E-03	77
Mammary	Alfalfa				
gland	hay	Negative	female genital tract serous cancer	9.35E-03	73
Mammary	Alfalfa	Negative	inflammation of artery	9.36E-03	9

gland	hay				
Mammary	Alfalfa				
gland	hay	Negative	congenital anomaly of skin	9.55E-03	37
Mammary	Alfalfa		abnormal morphology of vascular endothelial		
gland	hay	Negative	cells	9.60E-03	12
Mammary	Alfalfa				
gland	hay	Negative	allodynia	9.76E-03	14
Mammary	Alfalfa				
gland	hay	Negative	phagocytosis of neutrophils	9.76E-03	14
Mammary	Alfalfa				
gland	hay	Negative	benign pelvic disease	9.76E-03	75
Mammary	Alfalfa				
gland	hay	Negative	formation of filaments	9.76E-03	75
Mammary	Alfalfa				
gland	hay	Negative	formation of eye	9.86E-03	82
Mammary	Alfalfa				
gland	hay	Negative	infection by RNA virus	9.92E-03	154
Mammary	Alfalfa				
gland	hay	Negative	cell movement of mononuclear leukocytes	9.98E-03	86
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of cerebral cortex cells	9.98E-03	24
Mammary	Alfalfa				
gland	hay	Negative	quantity of trophoblast giant cells	9.98E-03	11
Mammary	Alfalfa				
gland	hay	Negative	apoptosis of glioma cells	9.98E-03	10
Mammary	Rice				
gland	straw	Positive	proliferation of cells	8.08E-19	851
Mammary	Rice				
gland	straw	Positive	cell death	2.71E-18	777
Mammary	Rice				
gland	straw	Positive	organization of cytoplasm	1.88E-17	403
Mammary	Rice				
gland	straw	Positive	necrosis	5.70E-17	616
Mammary	Rice				
gland	straw	Positive	organismal death	5.70E-17	580
Mammary	Rice				
gland	straw	Positive	cancer	9.22E-17	2151
Mammary	Rice				
gland	straw	Positive	morbidity or mortality	9.22E-17	585
Mammary	Rice				
gland	straw	Positive	malignant solid tumor	1.15E-16	2127
Mammary	Rice				
gland	straw	Positive	morphology of cells	1.68E-15	480
Mammary	Rice	Positive	apoptosis	3.53E-15	620

gland	straw					
Mammary	Rice					
gland	straw	Positive	organization of cytoskeleton	4.34E-15	362	
Mammary	Rice					
gland	straw	Positive	epithelial cancer	6.26E-15	1776	
Mammary	Rice					
gland	straw	Positive	neoplasia of epithelial tissue	8.97E-15	1790	
Mammary	Rice					
gland	straw	Positive	cellular homeostasis	1.07E-14	387	
Mammary	Rice					
gland	straw	Positive	tumorigenesis of tissue	3.11E-14	1813	
Mammary	Rice					
gland	straw	Positive	quantity of cells	3.03E-13	432	
Mammary	Rice					
gland	straw	Positive	cell movement	3.79E-13	505	
Mammary	Rice					
gland	straw	Positive	Movement Disorders	1.17E-12	279	
Mammary	Rice					
gland	straw	Positive	migration of cells	2.46E-12	455	
Mammary	Rice					
gland	straw	Positive	dyskinesia	3.60E-12	177	
Mammary	Rice					
gland	straw	Positive	neurological signs	3.61E-12	185	
Mammary	Rice					
gland	straw	Positive	cell survival	3.74E-12	348	
Mammary	Rice					
gland	straw	Positive	disorder of basal ganglia	5.33E-12	211	
Mammary	Rice					
gland	straw	Positive	cell viability	1.25E-11	326	
Mammary	Rice					
gland	straw	Positive	abdominal neoplasm	2.20E-11	1755	
Mammary	Rice					
gland	straw	Positive	microtubule dynamics	3.86E-11	299	
Mammary	Rice					
gland	straw	Positive	differentiation of cells	4.53E-11	518	
Mammary	Rice					
gland	straw	Positive	Huntington's Disease	1.08E-10	162	
Mammary	Rice					
gland	straw	Positive	neuromuscular disease	1.91E-10	231	
Mammary	Rice					
gland	straw	Positive	cell death of tumor cell lines	2.13E-10	367	
Mammary	Rice					
gland	straw	Positive	abdominal cancer	2.15E-10	1729	
Mammary	Rice	Positive	apoptosis of tumor cell lines	2.34E-10	301	

gland	straw					
Mammary	Rice					
gland	straw	Positive	quantity of leukocytes	6.12E-10	236	
Mammary	Rice					
gland	straw	Positive	quantity of blood cells	6.37E-10	260	
Mammary	Rice					
gland	straw	Positive	transport of molecule	9.87E-10	381	
Mammary	Rice					
gland	straw	Positive	transcription	1.23E-09	458	
Mammary	Rice					
gland	straw	Positive	expression of RNA	1.38E-09	488	
Mammary	Rice					
gland	straw	Positive	angiogenesis	2.92E-09	231	
Mammary	Rice					
gland	straw	Positive	formation of cellular protrusions	5.21E-09	229	
Mammary	Rice					
gland	straw	Positive	cell movement of tumor cell lines	2.53E-08	215	
Mammary	Rice					
gland	straw	Positive	transcription of RNA	3.27E-08	422	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of cells	4.35E-08	301	
Mammary	Rice					
gland	straw	Positive	advanced malignant tumor	6.23E-08	212	
Mammary	Rice					
gland	straw	Positive	vasculogenesis	6.83E-08	188	
Mammary	Rice					
gland	straw	Positive	cell death of connective tissue cells	1.45E-07	157	
Mammary	Rice					
gland	straw	Positive	invasion of cells	1.79E-07	215	
Mammary	Rice					
gland	straw	Positive	digestive system cancer	2.33E-07	1488	
Mammary	Rice					
gland	straw	Positive	migration of tumor cell lines	2.44E-07	179	
Mammary	Rice					
gland	straw	Positive	development of cytoplasm	2.89E-07	124	
Mammary	Rice					
gland	straw	Positive	function of leukocytes	2.92E-07	141	
Mammary	Rice					
gland	straw	Positive	cell movement of blood cells	3.00E-07	215	
Mammary	Rice					
gland	straw	Positive	morphology of cardiovascular system	3.63E-07	159	
Mammary	Rice					
gland	straw	Positive	organization of organelle	3.73E-07	141	
Mammary	Rice	Positive	migration of blood cells	3.76E-07	214	

gland	straw				
Mammary	Rice				
gland	straw	Positive	metabolism of carbohydrate	4.12E-07	159
Mammary	Rice				
gland	straw	Positive	proliferation of fibroblasts	4.60E-07	98
Mammary	Rice				
gland	straw	Positive	leukocyte migration	5.08E-07	213
Mammary	Rice				
gland	straw	Positive	Organ Degeneration	5.11E-07	130
Mammary	Rice				
gland	straw	Positive	digestive organ tumor	5.43E-07	1497
Mammary	Rice				
gland	straw	Positive	formation of cytoskeleton	5.69E-07	103
Mammary	Rice				
gland	straw	Positive	growth of connective tissue	7.11E-07	163
Mammary	Rice				
gland	straw	Positive	cell viability of tumor cell lines	8.08E-07	192
Mammary	Rice				
gland	straw	Positive	synthesis of lipid	8.25E-07	178
Mammary	Rice				
gland	straw	Positive	benign neoplasia	9.16E-07	223
Mammary	Rice				
gland	straw	Positive	invasion of tumor cell lines	9.46E-07	167
Mammary	Rice				
gland	straw	Positive	cell movement of leukocytes	9.55E-07	189
Mammary	Rice				
gland	straw	Positive	proliferation of connective tissue cells	9.66E-07	151
Mammary	Rice				
gland	straw	Positive	development of leukocytes	9.90E-07	150
Mammary	Rice				
gland	straw	Positive	proliferation of tumor cell lines	1.42E-06	349
Mammary	Rice				
gland	straw	Positive	degeneration of cells	1.65E-06	94
Mammary	Rice				
gland	straw	Positive	transcription of DNA	1.66E-06	346
Mammary	Rice				
gland	straw	Positive	morphology of body cavity	1.74E-06	277
Mammary	Rice				
gland	straw	Positive	concentration of lipid	1.82E-06	197
Mammary	Rice				
gland	straw	Positive	ubiquitination	1.99E-06	92
Mammary	Rice				
gland	straw	Positive	abnormal morphology of thoracic cavity	2.20E-06	148
Mammary	Rice	Positive	protein kinase cascade	2.38E-06	111

gland	straw					
Mammary	Rice					
gland	straw	Positive	abnormal morphology of body cavity	2.76E-06	265	
Mammary	Rice					
gland	straw	Positive	ubiquitination of protein	3.50E-06	90	
Mammary	Rice					
gland	straw	Positive	function of blood cells	3.71E-06	147	
Mammary	Rice					
gland	straw	Positive	development of body trunk	3.76E-06	259	
Mammary	Rice					
gland	straw	Positive	proliferation of blood cells	3.76E-06	202	
Mammary	Rice					
gland	straw	Positive	cell transformation	3.81E-06	119	
Mammary	Rice					
gland	straw	Positive	quantity of lymphocytes	4.01E-06	173	
Mammary	Rice					
gland	straw	Positive	proliferation of immune cells	4.23E-06	191	
Mammary	Rice					
gland	straw	Positive	development of blood cells	4.32E-06	161	
Mammary	Rice					
gland	straw	Positive	binding of DNA	4.70E-06	132	
Mammary	Rice					
gland	straw	Positive	development of epithelial tissue	4.82E-06	131	
Mammary	Rice					
gland	straw	Positive	degeneration of nervous system	5.23E-06	79	
Mammary	Rice					
gland	straw	Positive	quantity of mononuclear leukocytes	6.23E-06	178	
Mammary	Rice					
gland	straw	Positive	cell movement of endothelial cells	6.23E-06	94	
Mammary	Rice					
gland	straw	Positive	metastasis	6.89E-06	183	
Mammary	Rice					
gland	straw	Positive	adenocarcinoma	7.32E-06	1299	
Mammary	Rice					
gland	straw	Positive	homing of cells	8.16E-06	139	
Mammary	Rice					
gland	straw	Positive	function of macrophages	8.62E-06	53	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of cardiovascular system	8.74E-06	141	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of epithelial tissue	8.93E-06	108	
Mammary	Rice					
gland	straw	Positive	growth of epithelial tissue	1.03E-05	165	
Mammary	Rice	Positive	apoptosis of connective tissue cells	1.03E-05	80	

gland	straw					
Mammary	Rice					
gland	straw	Positive	growth of lesion	1.03E-05	190	
Mammary	Rice					
gland	straw	Positive	homing	1.03E-05	142	
Mammary	Rice					
gland	straw	Positive	advanced stage solid tumor	1.13E-05	129	
Mammary	Rice					
gland	straw	Positive	formation of eye	1.13E-05	112	
Mammary	Rice					
gland	straw	Positive	morphology of head	1.24E-05	206	
Mammary	Rice					
gland	straw	Positive	binding of protein binding site	1.25E-05	78	
Mammary	Rice					
gland	straw	Positive	development of mononuclear leukocytes	1.27E-05	138	
Mammary	Rice					
gland	straw	Positive	development of lymphocytes	1.31E-05	137	
Mammary	Rice					
gland	straw	Positive	growth of tumor	1.35E-05	189	
Mammary	Rice					
gland	straw	Positive	chemotaxis	1.40E-05	135	
Mammary	Rice					
gland	straw	Positive	chemotaxis of cells	1.51E-05	131	
Mammary	Rice					
gland	straw	Positive	Viral Infection	1.54E-05	354	
Mammary	Rice					
gland	straw	Positive	peripheral arterial disease	1.55E-05	60	
Mammary	Rice					
gland	straw	Positive	infection by Retroviridae	1.78E-05	172	
Mammary	Rice					
gland	straw	Positive	cell death of fibroblasts	1.78E-05	72	
Mammary	Rice					
gland	straw	Positive	Neurodegeneration	1.92E-05	82	
Mammary	Rice					
gland	straw	Positive	cell movement of fibroblasts	2.02E-05	53	
Mammary	Rice					
gland	straw	Positive	behavior	2.14E-05	228	
Mammary	Rice					
gland	straw	Positive	immune response of cells	2.23E-05	140	
Mammary	Rice					
gland	straw	Positive	congenital anomaly of musculoskeletal system	2.24E-05	175	
Mammary	Rice					
gland	straw	Positive	development of head	2.48E-05	226	
Mammary	Rice	Positive	female genital neoplasm	2.49E-05	734	

gland	straw					
Mammary	Rice					
gland	straw	Positive	proliferation of mononuclear leukocytes	2.71E-05	175	
Mammary	Rice					
gland	straw	Positive	branching of cells	2.71E-05	95	
Mammary	Rice					
gland	straw	Positive	metabolism of membrane lipid derivative	2.73E-05	99	
Mammary	Rice					
gland	straw	Positive	quantity of phagocytes	2.92E-05	107	
Mammary	Rice					
gland	straw	Positive	fibrogenesis	3.17E-05	104	
Mammary	Rice					
gland	straw	Positive	movement of vascular endothelial cells	3.33E-05	52	
Mammary	Rice					
gland	straw	Positive	growth of organism	3.37E-05	195	
Mammary	Rice					
gland	straw	Positive	benign neoplasm of female genital organ	3.44E-05	107	
Mammary	Rice					
gland	straw	Positive	proliferation of lymphocytes	3.44E-05	172	
Mammary	Rice					
gland	straw	Positive	formation of vascular lesion	3.52E-05	36	
Mammary	Rice					
gland	straw	Positive	female genital tract serous cancer	3.56E-05	98	
Mammary	Rice					
gland	straw	Positive	arthropathy	3.56E-05	219	
Mammary	Rice					
gland	straw	Positive	infection by lentivirus	3.91E-05	169	
Mammary	Rice					
gland	straw	Positive	long-term potentiation	3.91E-05	66	
Mammary	Rice					
gland	straw	Positive	angiogenesis of lesion	4.03E-05	39	
Mammary	Rice					
gland	straw	Positive	necrosis of epithelial tissue	4.25E-05	142	
Mammary	Rice					
gland	straw	Positive	autosomal recessive disease	4.25E-05	212	
Mammary	Rice					
gland	straw	Positive	formation of actin stress fibers	4.26E-05	65	
Mammary	Rice					
gland	straw	Positive	cell death of epithelial cells	4.50E-05	122	
Mammary	Rice					
gland	straw	Positive	development of cardiovascular tissue	4.52E-05	94	
Mammary	Rice					
gland	straw	Positive	function of cardiovascular system	4.52E-05	94	
Mammary	Rice	Positive	adenoma	4.67E-05	134	

gland	straw				
Mammary	Rice				
gland	straw	Positive	morphology of heart ventricle	4.67E-05	54
Mammary	Rice				
gland	straw	Positive	inflammatory response	4.67E-05	182
Mammary	Rice				
gland	straw	Positive	HIV infection	4.67E-05	168
Mammary	Rice				
gland	straw	Positive	morphology of nervous system	4.68E-05	183
Mammary	Rice				
gland	straw	Positive	function of antigen presenting cells	4.68E-05	66
Mammary	Rice				
gland	straw	Positive	accumulation of cells	4.72E-05	90
Mammary	Rice				
gland	straw	Positive	cellular degradation	4.78E-05	68
Mammary	Rice				
gland	straw	Positive	formation of filaments	4.89E-05	100
Mammary	Rice				
gland	straw	Positive	abnormal morphology of head	4.99E-05	193
Mammary	Rice				
gland	straw	Positive	fatty acid metabolism	5.10E-05	144
Mammary	Rice				
gland	straw	Positive	genital tumor	5.39E-05	823
Mammary	Rice				
gland	straw	Positive	apoptosis of cervical cancer cell lines	5.46E-05	74
Mammary	Rice				
gland	straw	Positive	endothelial cell development	5.55E-05	90
Mammary	Rice				
gland	straw	Positive	colony formation	5.55E-05	130
Mammary	Rice				
gland	straw	Positive	neuritogenesis	5.55E-05	140
Mammary	Rice				
gland	straw	Positive	arthritis	6.03E-05	214
Mammary	Rice				
gland	straw	Positive	activation of Protein kinase	6.54E-05	67
Mammary	Rice				
gland	straw	Positive	cell death of cervical cancer cell lines	6.81E-05	89
Mammary	Rice				
gland	straw	Positive	T cell homeostasis	7.32E-05	125
Mammary	Rice				
gland	straw	Positive	cellular infiltration	7.38E-05	108
Mammary	Rice				
gland	straw	Positive	accumulation of blood cells	7.43E-05	73
Mammary	Rice	Positive	T cell development	7.56E-05	122

gland	straw					
Mammary	Rice					
gland	straw	Positive	cell movement of phagocytes	7.76E-05	132	
Mammary	Rice					
gland	straw	Positive	apoptosis of fibroblasts	7.94E-05	59	
Mammary	Rice					
gland	straw	Positive	formation of plasma membrane projections	8.10E-05	142	
Mammary	Rice					
gland	straw	Positive	development of endothelial tissue	8.20E-05	92	
Mammary	Rice					
gland	straw	Positive	differentiation of leukocytes	8.41E-05	158	
Mammary	Rice					
gland	straw	Positive	homeostasis of leukocytes	8.41E-05	133	
Mammary	Rice					
gland	straw	Positive	apoptosis of macrophages	8.45E-05	33	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of nervous system	8.54E-05	169	
Mammary	Rice					
gland	straw	Positive	size of body	9.39E-05	195	
Mammary	Rice					
gland	straw	Positive	cognition	9.57E-05	111	
Mammary	Rice					
gland	straw	Positive	small GTPase mediated signal transduction	9.60E-05	51	
Mammary	Rice					
gland	straw	Positive	activation of cells	9.75E-05	221	
Mammary	Rice					
gland	straw	Positive	tumorigenesis of gonad	9.84E-05	186	
Mammary	Rice					
gland	straw	Positive	apoptosis of skin	9.87E-05	30	
Mammary	Rice					
gland	straw	Positive	biosynthesis of nucleoside triphosphate	1.01E-04	33	
Mammary	Rice					
gland	straw	Positive	sprouting	1.01E-04	96	
Mammary	Rice					
gland	straw	Positive	formation of actin filaments	1.02E-04	78	
Mammary	Rice					
gland	straw	Positive	infection by RNA virus	1.02E-04	198	
Mammary	Rice					
gland	straw	Positive	metastatic colorectal cancer	1.02E-04	53	
Mammary	Rice					
gland	straw	Positive	proliferation of T lymphocytes	1.02E-04	143	
Mammary	Rice					
gland	straw	Positive	necrosis of liver	1.02E-04	63	
Mammary	Rice	Positive	morphology of heart	1.14E-04	100	

gland	straw					
Mammary	Rice					
gland	straw	Positive	cell death of fibrosarcoma cell lines	1.14E-04	25	
Mammary	Rice					
gland	straw	Positive	breast or ovarian cancer	1.14E-04	407	
Mammary	Rice					
gland	straw	Positive	function of myeloid cells	1.14E-04	63	
Mammary	Rice					
gland	straw	Positive	migration of connective tissue cells	1.14E-04	50	
Mammary	Rice					
gland	straw	Positive	cell movement of myeloid cells	1.15E-04	129	
Mammary	Rice					
gland	straw	Positive	cell viability of connective tissue cells	1.16E-04	39	
Mammary	Rice					
gland	straw	Positive	Lymphocyte homeostasis	1.17E-04	130	
Mammary	Rice					
gland	straw	Positive	hypersensitive reaction	1.19E-04	105	
Mammary	Rice					
gland	straw	Positive	function of phagocytes	1.19E-04	78	
Mammary	Rice					
gland	straw	Positive	advanced stage peripheral arterial disease	1.25E-04	43	
Mammary	Rice					
gland	straw	Positive	degeneration of neurons	1.25E-04	63	
Mammary	Rice					
gland	straw	Positive	proliferation of endothelial cells	1.28E-04	79	
Mammary	Rice					
gland	straw	Positive	ovarian cancer	1.28E-04	165	
Mammary	Rice					
gland	straw	Positive	development of body axis	1.29E-04	235	
Mammary	Rice					
gland	straw	Positive	vascular lesion	1.34E-04	60	
Mammary	Rice					
gland	straw	Positive	immune response of leukocytes	1.43E-04	78	
Mammary	Rice					
gland	straw	Positive	oral cavity carcinoma	1.44E-04	53	
Mammary	Rice					
gland	straw	Positive	seizures	1.46E-04	98	
Mammary	Rice					
gland	straw	Positive	cell movement of connective tissue cells	1.46E-04	59	
Mammary	Rice					
gland	straw	Positive	metastatic gastrointestinal tract cancer	1.46E-04	59	
Mammary	Rice					
gland	straw	Positive	oral cancer	1.48E-04	60	
Mammary	Rice	Positive	learning	1.48E-04	102	

gland	straw					
Mammary	Rice					
gland	straw	Positive	atherogenesis	1.48E-04	26	
Mammary	Rice					
gland	straw	Positive	colony formation of cells	1.48E-04	118	
Mammary	Rice					
gland	straw	Positive	differentiation of blood cells	1.48E-04	192	
Mammary	Rice					
gland	straw	Positive	cell death of fibroblast cell lines	1.48E-04	104	
Mammary	Rice					
gland	straw	Positive	hereditary neuropathy	1.48E-04	46	
Mammary	Rice					
gland	straw	Positive	quantity of antigen presenting cells	1.48E-04	71	
Mammary	Rice					
gland	straw	Positive	activation of DNA endogenous promoter	1.51E-04	266	
Mammary	Rice					
gland	straw	Positive	gonadal tumor	1.51E-04	187	
Mammary	Rice					
gland	straw	Positive	Ovarian Cancer and Tumors	1.57E-04	174	
Mammary	Rice					
gland	straw	Positive	cell death of tumor	1.58E-04	94	
Mammary	Rice					
gland	straw	Positive	branching of neurons	1.59E-04	73	
Mammary	Rice					
gland	straw	Positive	female genital tract serous carcinoma	1.59E-04	54	
Mammary	Rice					
gland	straw	Positive	branching of neurites	1.61E-04	71	
Mammary	Rice					
gland	straw	Positive	cell death of lung cell lines	1.68E-04	18	
Mammary	Rice					
gland	straw	Positive	transmigration of cells	1.69E-04	44	
Mammary	Rice					
gland	straw	Positive	central nervous system tumor	1.71E-04	206	
Mammary	Rice					
gland	straw	Positive	cellular infiltration by leukocytes	1.79E-04	95	
Mammary	Rice					
gland	straw	Positive	migration of endothelial cells	1.79E-04	82	
Mammary	Rice					
gland	straw	Positive	formation of lamellipodia	1.79E-04	45	
Mammary	Rice					
gland	straw	Positive	cellular infiltration of cells	1.80E-04	97	
Mammary	Rice					
gland	straw	Positive	organization of actin cytoskeleton	1.81E-04	76	
Mammary	Rice	Positive	synthesis of carbohydrate	1.85E-04	103	

gland	straw					
Mammary	Rice					
gland	straw	Positive	cell movement of mononuclear leukocytes	1.85E-04	111	
Mammary	Rice					
gland	straw	Positive	cell death of neuroblastoma cell lines	1.87E-04	52	
Mammary	Rice					
gland	straw	Positive	activation of enzyme	1.90E-04	95	
Mammary	Rice					
gland	straw	Positive	spatial learning	1.98E-04	50	
Mammary	Rice					
gland	straw	Positive	necrosis of tumor	2.22E-04	93	
Mammary	Rice					
gland	straw	Positive	neuronal cell death	2.33E-04	157	
Mammary	Rice					
gland	straw	Positive	shape change of neurites	2.33E-04	72	
Mammary	Rice					
gland	straw	Positive	metabolism of protein	2.33E-04	217	
Mammary	Rice					
gland	straw	Positive	cell death of tumor cells	2.34E-04	91	
Mammary	Rice					
gland	straw	Positive	apoptosis of dermal cells	2.37E-04	28	
Mammary	Rice					
gland	straw	Positive	development of hematopoietic system	2.46E-04	64	
Mammary	Rice					
gland	straw	Positive	development of vasculature	2.47E-04	101	
Mammary	Rice					
gland	straw	Positive	morphogenesis of neurites	2.47E-04	101	
Mammary	Rice					
gland	straw	Positive	angiogenesis of tumor	2.47E-04	35	
Mammary	Rice					
gland	straw	Positive	apoptosis of epithelial cells	2.51E-04	72	
Mammary	Rice					
gland	straw	Positive	seizure disorder	2.51E-04	112	
Mammary	Rice					
gland	straw	Positive	morphology of connective tissue	2.53E-04	110	
Mammary	Rice					
gland	straw	Positive	development of sensory organ	2.56E-04	132	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of abdomen	2.56E-04	197	
Mammary	Rice					
gland	straw	Positive	cell death of liver cells	2.66E-04	52	
Mammary	Rice					
gland	straw	Positive	serous ovarian carcinoma	2.73E-04	53	
Mammary	Rice	Positive	autosomal dominant myopathy	2.82E-04	27	

gland	straw					
Mammary	Rice					
gland	straw	Positive	migration of fibroblasts	2.93E-04	40	
Mammary	Rice					
gland	straw	Positive	morphogenesis of neurons	2.95E-04	102	
Mammary	Rice					
gland	straw	Positive	contractility of myocardium	3.01E-04	21	
Mammary	Rice					
gland	straw	Positive	function of mononuclear leukocytes	3.02E-04	84	
Mammary	Rice					
gland	straw	Positive	apoptosis of blood cells	3.07E-04	117	
Mammary	Rice					
gland	straw	Positive	apoptosis of liver cells	3.09E-04	43	
Mammary	Rice					
gland	straw	Positive	apoptosis of antigen presenting cells	3.10E-04	39	
Mammary	Rice					
gland	straw	Positive	progression of tumor	3.27E-04	44	
Mammary	Rice					
gland	straw	Positive	cell death of skin	3.34E-04	31	
Mammary	Rice					
gland	straw	Positive	hereditary polyneuropathy	3.40E-04	30	
Mammary	Rice					
gland	straw	Positive	female genital tract cancer	3.40E-04	689	
Mammary	Rice					
gland	straw	Positive	quantity of macrophages	3.41E-04	53	
Mammary	Rice					
gland	straw	Positive	advanced malignant solid tumor	3.64E-04	59	
Mammary	Rice					
gland	straw	Positive	quantity of T lymphocytes	3.67E-04	125	
Mammary	Rice					
gland	straw	Positive	gliomatosis	3.70E-04	179	
Mammary	Rice					
gland	straw	Positive	cell movement of lymphocytes	3.72E-04	95	
Mammary	Rice					
gland	straw	Positive	migration of vascular endothelial cells	3.88E-04	45	
Mammary	Rice					
gland	straw	Positive	morphology of cardiac muscle	3.88E-04	45	
Mammary	Rice					
gland	straw	Positive	survival of organism	3.97E-04	160	
Mammary	Rice		metastatic malignant neoplasm of digestive			
gland	straw	Positive	system	4.01E-04	60	
Mammary	Rice					
gland	straw	Positive	quantity of connective tissue	4.05E-04	139	
Mammary	Rice	Positive	abdominal adenocarcinoma	4.10E-04	1164	

gland	straw					
Mammary	Rice					
gland	straw	Positive	tumorigenesis of reproductive tract	4.21E-04	692	
Mammary	Rice					
gland	straw	Positive	formation of cells	4.22E-04	217	
Mammary	Rice					
gland	straw	Positive	quantity of lymphatic system component	4.22E-04	91	
Mammary	Rice					
gland	straw	Positive	function of lymphocytes	4.22E-04	83	
Mammary	Rice					
gland	straw	Positive	quantity of hematopoietic cells	4.22E-04	105	
Mammary	Rice					
gland	straw	Positive	cell movement of muscle cells	4.25E-04	48	
Mammary	Rice					
gland	straw	Positive	epileptic seizure	4.34E-04	45	
Mammary	Rice					
gland	straw	Positive	cell death of renal glomerulus	4.35E-04	20	
Mammary	Rice					
gland	straw	Positive	cell spreading	4.43E-04	69	
Mammary	Rice					
gland	straw	Positive	laminopathy	4.50E-04	23	
Mammary	Rice					
gland	straw	Positive	Dermatitis	4.52E-04	103	
Mammary	Rice					
gland	straw	Positive	accumulation of leukocytes	4.53E-04	67	
Mammary	Rice					
gland	straw	Positive	infection of cells	4.61E-04	179	
Mammary	Rice					
gland	straw	Positive	hereditary spastic paraplegia	4.64E-04	16	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of heart	4.65E-04	92	
Mammary	Rice					
gland	straw	Positive	secondary neoplasm of digestive system	4.65E-04	64	
Mammary	Rice					
gland	straw	Positive	serous neoplasm	4.72E-04	140	
Mammary	Rice					
gland	straw	Positive	cell death of dermal cells	4.82E-04	29	
Mammary	Rice					
gland	straw	Positive	formation of focal adhesions	4.82E-04	42	
Mammary	Rice					
gland	straw	Positive	apoptosis of fibroblast cell lines	4.86E-04	80	
Mammary	Rice					
gland	straw	Positive	autophagy	4.91E-04	90	
Mammary	Rice	Positive	neuritogenesis of pheochromocytoma cell lines	4.91E-04	10	

gland	straw					
Mammary	Rice					
gland	straw	Positive	cell death of breast cancer cell lines	5.13E-04	81	
Mammary	Rice					
gland	straw	Positive	development of lymphatic system	5.18E-04	86	
Mammary	Rice					
gland	straw	Positive	mixed papillary and follicular thyroid cancer	5.19E-04	9	
Mammary	Rice					
gland	straw	Positive	glioma cancer	5.37E-04	76	
Mammary	Rice					
gland	straw	Positive	transactivation	5.41E-04	133	
Mammary	Rice					
gland	straw	Positive	peripheral vascular disease	5.51E-04	91	
Mammary	Rice					
gland	straw	Positive	apoptosis of fibrosarcoma cell lines	5.51E-04	20	
Mammary	Rice					
gland	straw	Positive	quantity of hematopoietic progenitor cells	5.60E-04	104	
Mammary	Rice					
gland	straw	Positive	I-kappaB kinase/NF-kappaB cascade	5.60E-04	46	
Mammary	Rice					
gland	straw	Positive	breast or colorectal cancer	5.67E-04	985	
Mammary	Rice					
gland	straw	Positive	tumorigenesis of genital organ	5.80E-04	785	
Mammary	Rice					
gland	straw	Positive	apoptosis of keratinocytes	5.84E-04	25	
Mammary	Rice					
gland	straw	Positive	regression of tumor	5.84E-04	25	
Mammary	Rice					
gland	straw	Positive	hereditary motor and sensory neuropathy	5.87E-04	27	
Mammary	Rice					
gland	straw	Positive	quantity of IL-6 in blood	5.87E-04	26	
Mammary	Rice					
gland	straw	Positive	Emery-Dreifuss muscular dystrophy	6.03E-04	21	
Mammary	Rice					
gland	straw	Positive	adhesion of immune cells	6.36E-04	84	
Mammary	Rice					
gland	straw	Positive	cell movement of antigen presenting cells	6.36E-04	84	
Mammary	Rice					
gland	straw	Positive	cell movement of cancer cells	6.37E-04	40	
Mammary	Rice					
gland	straw	Positive	cell movement of smooth muscle cells	6.42E-04	43	
Mammary	Rice					
gland	straw	Positive	metabolism of nucleic acid component or derivative	6.61E-04	120	
Mammary	Rice	Positive	retinal degeneration	6.64E-04	64	

gland	straw					
Mammary	Rice					
gland	straw	Positive	formation of filopodia	6.64E-04	44	
Mammary	Rice					
gland	straw	Positive	infection by HIV-1	6.76E-04	139	
Mammary	Rice					
gland	straw	Positive	cell viability of carcinoma cell lines	6.87E-04	39	
Mammary	Rice					
gland	straw	Positive	sensory neuropathy	6.92E-04	28	
Mammary	Rice					
gland	straw	Positive	advanced stage carcinoma	7.00E-04	55	
Mammary	Rice					
gland	straw	Positive	cell viability of cervical cancer cell lines	7.00E-04	56	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of heart ventricle	7.00E-04	46	
Mammary	Rice					
gland	straw	Positive	apoptosis of epidermal cells	7.06E-04	26	
Mammary	Rice					
gland	straw	Positive	apoptosis of tumor cells	7.08E-04	70	
Mammary	Rice					
gland	straw	Positive	degeneration of eye	7.08E-04	65	
Mammary	Rice					
gland	straw	Positive	cell movement of tumor cells	7.28E-04	48	
Mammary	Rice					
gland	straw	Positive	export of molecule	7.38E-04	72	
Mammary	Rice					
gland	straw	Positive	genital tract cancer	7.49E-04	777	
Mammary	Rice					
gland	straw	Positive	atherosclerotic lesion	7.49E-04	41	
Mammary	Rice					
gland	straw	Positive	contractility of heart	7.86E-04	46	
Mammary	Rice					
gland	straw	Positive	pulmonary interstitial fibrosis	7.88E-04	7	
Mammary	Rice					
gland	straw	Positive	activation of leukocytes	7.93E-04	157	
Mammary	Rice					
gland	straw	Positive	size of lesion	7.98E-04	63	
Mammary	Rice					
gland	straw	Positive	formation of thymus gland	8.09E-04	43	
Mammary	Rice					
gland	straw	Positive	head and neck cancer	8.09E-04	237	
Mammary	Rice					
gland	straw	Positive	cell viability of brain cells	8.13E-04	28	
Mammary	Rice	Positive	apoptosis of neuroblastoma cell lines	8.41E-04	34	

gland	straw					
Mammary	Rice					
gland	straw	Positive	cell death of keratinocytes	8.44E-04	26	
Mammary	Rice					
gland	straw	Positive	morphology of cardiovascular tissue	8.44E-04	26	
Mammary	Rice					
gland	straw	Positive	morphology of endothelial tissue	8.46E-04	25	
Mammary	Rice					
gland	straw	Positive	polyneuropathy	8.50E-04	31	
Mammary	Rice					
gland	straw	Positive	connective or soft tissue tumor	8.70E-04	158	
Mammary	Rice					
gland	straw	Positive	oral squamous cell carcinoma	8.70E-04	46	
Mammary	Rice					
gland	straw	Positive	formation of thymocytes	8.91E-04	30	
Mammary	Rice					
gland	straw	Positive	binding of epithelial cell lines	8.99E-04	13	
Mammary	Rice					
gland	straw	Positive	necrosis of renal glomerulus	8.99E-04	18	
Mammary	Rice					
gland	straw	Positive	glioblastoma cancer	9.11E-04	73	
Mammary	Rice					
gland	straw	Positive	formation of lymphoid organ	9.12E-04	65	
Mammary	Rice					
gland	straw	Positive	potentiation of synapse	9.12E-04	40	
Mammary	Rice					
gland	straw	Positive	apoptosis of leukocytes	9.58E-04	106	
Mammary	Rice					
gland	straw	Positive	cell death of muscle	9.58E-04	82	
Mammary	Rice					
gland	straw	Positive	Bleeding	9.79E-04	99	
Mammary	Rice					
gland	straw	Positive	cell death of epidermal cells	9.87E-04	27	
Mammary	Rice					
gland	straw	Positive	metabolism of nucleotide	9.88E-04	102	
Mammary	Rice					
gland	straw	Positive	dephosphorylation of protein	9.98E-04	48	
Mammary	Rice					
gland	straw	Positive	Rheumatic Disease	9.98E-04	233	
Mammary	Rice					
gland	straw	Positive	concentration of fatty acid	1.02E-03	68	
Mammary	Rice					
gland	straw	Positive	morphology of eye	1.02E-03	68	
Mammary	Rice	Positive	growth of embryo	1.03E-03	110	

gland	straw					
Mammary	Rice					
gland	straw	Positive	gastrointestinal tract cancer	1.05E-03	998	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of lymphoid organ	1.08E-03	89	
Mammary	Rice					
gland	straw	Positive	cell viability of fibroblast cell lines	1.09E-03	32	
Mammary	Rice		autosomal dominant Emery-Dreifuss muscular			
gland	straw	Positive	dystrophy	1.10E-03	20	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of eye	1.10E-03	64	
Mammary	Rice					
gland	straw	Positive	morphology of lymphatic system component	1.12E-03	97	
Mammary	Rice					
gland	straw	Positive	differentiation of tumor cell lines	1.16E-03	89	
Mammary	Rice					
gland	straw	Positive	apoptosis of hepatoma cell lines	1.18E-03	40	
Mammary	Rice					
gland	straw	Positive	progressive motor neuropathy	1.21E-03	119	
Mammary	Rice		abnormal morphology of vascular endothelial			
gland	straw	Positive	cells	1.22E-03	15	
Mammary	Rice					
gland	straw	Positive	transformation of fibroblast cell lines	1.23E-03	63	
Mammary	Rice					
gland	straw	Positive	female genital tract adenocarcinoma	1.24E-03	583	
Mammary	Rice					
gland	straw	Positive	amyotrophic lateral sclerosis	1.24E-03	55	
Mammary	Rice					
gland	straw	Positive	migration of mononuclear leukocytes	1.24E-03	87	
Mammary	Rice					
gland	straw	Positive	G2/M phase of fibroblasts	1.24E-03	6	
Mammary	Rice					
gland	straw	Positive	quantity of metal	1.25E-03	114	
Mammary	Rice					
gland	straw	Positive	formation of T lymphocytes	1.25E-03	32	
Mammary	Rice					
gland	straw	Positive	gastrointestinal carcinoma	1.28E-03	897	
Mammary	Rice					
gland	straw	Positive	necrosis of muscle	1.32E-03	81	
Mammary	Rice					
gland	straw	Positive	uterine tumor	1.34E-03	642	
Mammary	Rice					
gland	straw	Positive	Ras protein signal transduction	1.38E-03	20	
Mammary	Rice	Positive	migration of cancer cells	1.39E-03	49	

gland	straw					
Mammary	Rice					
gland	straw	Positive	generation of leukocytes	1.41E-03	42	
Mammary	Rice					
gland	straw	Positive	gait disturbance	1.44E-03	36	
Mammary	Rice					
gland	straw	Positive	long-term potentiation of synapse	1.45E-03	39	
Mammary	Rice					
gland	straw	Positive	vascularization	1.45E-03	58	
Mammary	Rice					
gland	straw	Positive	head and neck carcinoma	1.45E-03	109	
Mammary	Rice					
gland	straw	Positive	cell death of blood cells	1.45E-03	154	
Mammary	Rice					
gland	straw	Positive	formation of lymphatic system component	1.46E-03	70	
Mammary	Rice					
gland	straw	Positive	activation of blood cells	1.46E-03	165	
Mammary	Rice					
gland	straw	Positive	proliferation of hematopoietic cells	1.48E-03	62	
Mammary	Rice					
gland	straw	Positive	oral tumor	1.49E-03	72	
Mammary	Rice					
gland	straw	Positive	apoptosis of breast cancer cell lines	1.49E-03	69	
Mammary	Rice					
gland	straw	Positive	quantity of lesion	1.49E-03	46	
Mammary	Rice					
gland	straw	Positive	muscular hypertrophy	1.52E-03	51	
Mammary	Rice					
gland	straw	Positive	cell cycle progression	1.54E-03	225	
Mammary	Rice					
gland	straw	Positive	liver tumor	1.55E-03	862	
Mammary	Rice					
gland	straw	Positive	morphology of lymphoid organ	1.60E-03	91	
Mammary	Rice					
gland	straw	Positive	juvenile dermatomyositis	1.61E-03	19	
Mammary	Rice					
gland	straw	Positive	cell death of muscle cells	1.61E-03	79	
Mammary	Rice					
gland	straw	Positive	morphology of muscle	1.61E-03	79	
Mammary	Rice					
gland	straw	Positive	attachment of cells	1.61E-03	36	
Mammary	Rice					
gland	straw	Positive	Shock Response	1.61E-03	44	
Mammary	Rice	Positive	abdominal carcinoma	1.62E-03	1171	

gland	straw					
Mammary	Rice					
gland	straw	Positive	interphase	1.62E-03	146	
Mammary	Rice					
gland	straw	Positive	cell death of macrophages	1.65E-03	34	
Mammary	Rice					
gland	straw	Positive	apoptosis of mesangial cells	1.67E-03	11	
Mammary	Rice					
gland	straw	Positive	production of lactic acid	1.67E-03	17	
Mammary	Rice					
gland	straw	Positive	abnormal morphology of endothelial tissue	1.67E-03	20	
Mammary	Rice					
gland	straw	Positive	function of respiratory system	1.67E-03	20	
Mammary	Rice					
gland	straw	Positive	granulation tissue	1.72E-03	14	
Mammary	Rice					
gland	straw	Positive	trafficking of mononuclear leukocytes	1.72E-03	14	
Mammary	Rice					
gland	straw	Positive	contractility of cardiac muscle	1.74E-03	38	
Mammary	Rice					
gland	straw	Positive	binding of embryonic cell lines	1.79E-03	12	
Mammary	Rice					
gland	straw	Positive	cell viability of sarcoma cell lines	1.80E-03	13	
Mammary	Rice					
gland	straw	Positive	vaso-occlusion	1.80E-03	109	
Mammary	Rice					
gland	straw	Positive	proliferation of tumor cells	1.85E-03	107	
Mammary	Rice					
gland	straw	Positive	contractility of ventricular myocardium	1.85E-03	18	
Mammary	Rice					
gland	straw	Positive	hepatobiliary system cancer	1.85E-03	859	
Mammary	Rice					
gland	straw	Positive	migration of prostate cancer cells	1.86E-03	7	
Mammary	Rice					
gland	straw	Positive	activation of lymphocytes	1.89E-03	105	
Mammary	Rice					
gland	straw	Positive	generation of lymphocytes	1.89E-03	37	
Mammary	Rice					
gland	straw	Positive	proliferation of neuronal cells	1.90E-03	129	
Mammary	Rice					
gland	straw	Positive	development of lymphatic system component	1.93E-03	73	
Mammary	Rice					
gland	straw	Positive	damage of nervous system	1.93E-03	55	
Mammary	Rice	Positive	recruitment of cells	1.98E-03	83	

gland	straw					
Mammary	Rice					
gland	straw	Positive	urogenital cancer	1.98E-03	880	
Mammary	Rice					
gland	straw	Positive	synthesis of purine nucleotide	1.98E-03	44	
Mammary	Rice					
gland	straw	Positive	generation of cells	1.99E-03	63	
Mammary	Rice					
gland	straw	Positive	proliferation of cervical cancer cell lines	2.01E-03	50	
Mammary	Rice					
gland	straw	Positive	development of hematopoietic progenitor cells	2.02E-03	48	
Mammary	Rice					
gland	straw	Positive	Gastrointestinal Tract Cancer and Tumors	2.02E-03	1009	
Mammary	Rice					
gland	straw	Positive	interphase of cervical cancer cell lines	2.07E-03	24	
Mammary	Rice					
gland	straw	Positive	transactivation of RNA	2.09E-03	122	
Mammary	Rice					
gland	straw	Positive	quantity of metal ion	2.09E-03	101	
Mammary	Rice					
gland	straw	Positive	transmigration of blood cells	2.12E-03	34	
Mammary	Rice					
gland	straw	Positive	occlusion of blood vessel	2.12E-03	109	
Mammary	Rice					
gland	straw	Positive	migration of muscle cells	2.14E-03	42	
Mammary	Rice					
gland	straw	Positive	cell death of hepatoma cell lines	2.17E-03	43	
Mammary	Rice					
gland	straw	Positive	epithelial-mesenchymal transition	2.20E-03	51	
Mammary	Rice					
gland	straw	Positive	adhesion of blood cells	2.21E-03	87	
Mammary	Rice					
gland	straw	Positive	apoptosis of myeloid cells	2.22E-03	47	
Mammary	Rice					
gland	straw	Positive	apoptosis of phagocytes	2.22E-03	47	
Mammary	Rice					
gland	straw	Positive	liver cancer	2.24E-03	854	
Mammary	Rice					
gland	straw	Positive	metastatic solid tumor	2.26E-03	99	
Mammary	Rice					
gland	straw	Positive	proliferation of breast cancer cell lines	2.26E-03	99	
Mammary	Rice					
gland	straw	Positive	mammary tumor	2.26E-03	340	
Mammary	Rice	Positive	synthesis of ATP	2.27E-03	26	

gland	straw					
Mammary	Rice					
gland	straw	Positive	trafficking of blood cells	2.29E-03	18	
Mammary	Rice					
gland	straw	Positive	synthesis of nucleotide	2.29E-03	84	
Mammary	Rice					
gland	straw	Positive	metabolism of sphingolipid	2.29E-03	36	
Mammary	Rice					
gland	straw	Positive	inflammation of organ	2.31E-03	249	
Mammary	Rice					
gland	straw	Positive	abnormal posture	2.36E-03	25	
Mammary	Rice					
gland	straw	Positive	apoptosis of melanoma cell lines	2.39E-03	34	
Mammary	Rice					
gland	straw	Positive	biosynthesis of purine ribonucleotide	2.40E-03	28	
Mammary	Rice					
gland	straw	Positive	morphology of endothelial cells	2.40E-03	19	
Mammary	Rice					
gland	straw	Positive	cancer of cells	2.40E-03	61	
Mammary	Rice					
gland	straw	Positive	antiviral response of cells	2.40E-03	16	
Mammary	Rice					
gland	straw	Positive	apoptosis of retinal cells	2.40E-03	16	
Mammary	Rice					
gland	straw	Positive	quantity of smooth muscle cells	2.40E-03	16	
Mammary	Rice					
gland	straw	Positive	transport of carbohydrate	2.41E-03	48	
Mammary	Rice					
gland	straw	Positive	G2 phase of fibroblasts	2.41E-03	11	
Mammary	Rice					
gland	straw	Positive	atrophy of muscle	2.41E-03	38	
Mammary	Rice					
gland	straw	Positive	perinatal death	2.41E-03	132	
Mammary	Rice					
gland	straw	Positive	cell death of melanoma cell lines	2.43E-03	60	
Mammary	Rice					
gland	straw	Positive	Lymphocyte migration	2.43E-03	80	
Mammary	Rice					
gland	straw	Positive	Wound	2.44E-03	55	
Mammary	Rice					
gland	straw	Positive	cell death of sarcoma cell lines	2.44E-03	55	
Mammary	Rice					
gland	straw	Positive	vascularization of tumor	2.44E-03	20	
Mammary	Rice	Positive	peripheral neuropathy	2.45E-03	39	

gland	straw					
Mammary	Rice					
gland	straw	Positive	septic shock	2.45E-03	39	
Mammary	Rice					
gland	straw	Positive	synthesis of fatty acid	2.49E-03	73	
Mammary	Rice					
gland	straw	Positive	secretion of molecule	2.50E-03	123	
Mammary	Rice					
gland	straw	Positive	hepatocellular carcinoma	2.57E-03	827	
Mammary	Rice					
gland	straw	Positive	quantity of lymphoid organ	2.57E-03	72	
Mammary	Rice					
gland	straw	Positive	development of neurons	2.65E-03	170	
Mammary	Rice					
gland	straw	Positive	occlusion of artery	2.65E-03	107	
Mammary	Rice					
gland	straw	Positive	demyelination of central nervous system	2.69E-03	15	
Mammary	Rice					
gland	straw	Positive	migration of smooth muscle cells	2.69E-03	38	
Mammary	Rice					
gland	straw	Positive	polyarticular juvenile rheumatoid arthritis	2.73E-03	25	
Mammary	Rice					
gland	straw	Positive	cell death of immune cells	2.73E-03	145	
Mammary	Rice					
gland	straw	Positive	accumulation of lipid	2.73E-03	70	
Mammary	Rice					
gland	straw	Positive	dysmyelination	2.76E-03	35	
Mammary	Rice					
gland	straw	Positive	endometrium tumor	2.83E-03	579	
Mammary	Rice					
gland	straw	Positive	metabolism of nucleoside triphosphate	2.87E-03	36	
Mammary	Rice					
gland	straw	Positive	formation of lymphocytes	2.88E-03	33	
Mammary	Rice					
gland	straw	Positive	growth of plasma membrane projections	2.89E-03	105	
Mammary	Rice					
gland	straw	Positive	growth of yeast	2.89E-03	27	
Mammary	Rice					
gland	straw	Positive	apoptosis of muscle	2.95E-03	62	
Mammary	Rice					
gland	straw	Positive	morphology of myocardium	2.95E-03	31	
Mammary	Rice					
gland	straw	Positive	proliferation of hematopoietic progenitor cells	2.98E-03	58	
Mammary	Rice	Positive	abnormal morphology of digestive system	3.05E-03	121	

gland	straw					
Mammary	Rice					
gland	straw	Positive	formation of skin lesion	3.05E-03	26	
Mammary	Rice					
gland	straw	Positive	autosomal dominant disease	3.13E-03	140	
Mammary	Rice					
gland	straw	Positive	cell viability of central nervous system cells	3.19E-03	30	
Mammary	Rice					
gland	straw	Positive	glycolysis of cells	3.19E-03	30	
Mammary	Rice					
gland	straw	Positive	neoplasia of cells	3.19E-03	100	
Mammary	Rice					
gland	straw	Positive	migration of tumor cells	3.24E-03	54	
Mammary	Rice					
gland	straw	Negative	cell death	1.06E-37	1347	
Mammary	Rice					
gland	straw	Negative	proliferation of cells	7.76E-34	1449	
Mammary	Rice					
gland	straw	Negative	cancer	9.73E-33	3722	
Mammary	Rice					
gland	straw	Negative	malignant solid tumor	3.27E-31	3675	
Mammary	Rice					
gland	straw	Negative	apoptosis	5.17E-29	1066	
Mammary	Rice					
gland	straw	Negative	necrosis	8.84E-29	1040	
Mammary	Rice					
gland	straw	Negative	organismal death	8.41E-27	969	
Mammary	Rice					
gland	straw	Negative	morbidity or mortality	2.40E-26	978	
Mammary	Rice					
gland	straw	Negative	organization of cytoplasm	3.02E-26	660	
Mammary	Rice					
gland	straw	Negative	transport of molecule	2.30E-23	677	
Mammary	Rice					
gland	straw	Negative	organization of cytoskeleton	2.81E-23	598	
Mammary	Rice					
gland	straw	Negative	morphology of cells	1.83E-22	791	
Mammary	Rice					
gland	straw	Negative	tumorigenesis of tissue	1.77E-18	3080	
Mammary	Rice					
gland	straw	Negative	microtubule dynamics	2.19E-18	501	
Mammary	Rice					
gland	straw	Negative	cell movement	2.32E-18	834	
Mammary	Rice	Negative	neoplasia of epithelial tissue	2.41E-18	3032	

gland	straw					
Mammary	Rice					
gland	straw	Negative	epithelial cancer	5.34E-18	3003	
Mammary	Rice					
gland	straw	Negative	cell death of tumor cell lines	3.17E-17	618	
Mammary	Rice					
gland	straw	Negative	abdominal neoplasm	1.52E-16	2998	
Mammary	Rice					
gland	straw	Negative	cell survival	1.91E-16	567	
Mammary	Rice					
gland	straw	Negative	abdominal cancer	4.44E-16	2962	
Mammary	Rice					
gland	straw	Negative	differentiation of cells	7.12E-16	862	
Mammary	Rice					
gland	straw	Negative	cellular homeostasis	2.33E-15	607	
Mammary	Rice					
gland	straw	Negative	expression of RNA	2.55E-15	823	
Mammary	Rice					
gland	straw	Negative	migration of cells	6.51E-15	737	
Mammary	Rice					
gland	straw	Negative	cell viability	8.19E-15	526	
Mammary	Rice					
gland	straw	Negative	angiogenesis	1.52E-14	383	
Mammary	Rice					
gland	straw	Negative	Movement Disorders	5.57E-14	436	
Mammary	Rice					
gland	straw	Negative	cell movement of tumor cell lines	6.11E-14	360	
Mammary	Rice					
gland	straw	Negative	vasculogenesis	1.19E-13	316	
Mammary	Rice					
gland	straw	Negative	concentration of lipid	1.76E-13	343	
Mammary	Rice					
gland	straw	Negative	cell death of connective tissue cells	2.34E-13	264	
Mammary	Rice					
gland	straw	Negative	apoptosis of tumor cell lines	2.34E-13	487	
Mammary	Rice					
gland	straw	Negative	transcription	4.91E-13	757	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of cells	9.45E-13	503	
Mammary	Rice					
gland	straw	Negative	transcription of RNA	1.56E-12	707	
Mammary	Rice					
gland	straw	Negative	morphology of cardiovascular system	1.89E-12	267	
Mammary	Rice	Negative	formation of cellular protrusions	1.96E-12	372	

gland	straw					
Mammary	Rice					
gland	straw	Negative	size of body		1.98E-12	353
Mammary	Rice					
gland	straw	Negative	proliferation of tumor cell lines		4.12E-12	598
Mammary	Rice					
gland	straw	Negative	development of vasculature		5.26E-12	188
Mammary	Rice					
gland	straw	Negative	digestive system cancer		9.85E-12	2550
Mammary	Rice					
gland	straw	Negative	invasion of cells		1.45E-11	356
Mammary	Rice					
gland	straw	Negative	digestive organ tumor		1.45E-11	2571
Mammary	Rice					
gland	straw	Negative	development of body trunk		1.69E-11	444
Mammary	Rice					
gland	straw	Negative	necrosis of epithelial tissue		7.80E-11	249
Mammary	Rice					
gland	straw	Negative	cell death of epithelial cells		9.04E-11	214
Mammary	Rice					
gland	straw	Negative	Viral Infection		1.31E-10	611
Mammary	Rice					
gland	straw	Negative	cell death of cervical cancer cell lines		1.45E-10	157
Mammary	Rice					
gland	straw	Negative	proliferation of connective tissue cells		1.87E-10	249
Mammary	Rice					
gland	straw	Negative	development of cytoplasm		2.64E-10	199
Mammary	Rice					
gland	straw	Negative	quantity of cells		2.64E-10	662
Mammary	Rice					
gland	straw	Negative	degeneration of nervous system		3.17E-10	131
Mammary	Rice					
gland	straw	Negative	Organ Degeneration		4.46E-10	210
Mammary	Rice					
gland	straw	Negative	protein kinase cascade		6.70E-10	182
Mammary	Rice					
gland	straw	Negative	cell viability of tumor cell lines		6.75E-10	315
Mammary	Rice					
gland	straw	Negative	perinatal death		7.32E-10	247
Mammary	Rice					
gland	straw	Negative	dyskinesia		8.85E-10	255
Mammary	Rice					
gland	straw	Negative	disorder of basal ganglia		9.06E-10	310
Mammary	Rice	Negative	formation of cytoskeleton		9.73E-10	164

gland	straw					
Mammary	Rice					
gland	straw	Negative	autosomal recessive disease	1.22E-09	365	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of cardiovascular system	1.23E-09	236	
Mammary	Rice					
gland	straw	Negative	migration of tumor cell lines	1.46E-09	287	
Mammary	Rice					
gland	straw	Negative	growth of connective tissue	1.51E-09	264	
Mammary	Rice					
gland	straw	Negative	phosphorylation of protein	1.82E-09	297	
Mammary	Rice					
gland	straw	Negative	metabolism of carbohydrate	1.88E-09	255	
Mammary	Rice					
gland	straw	Negative	neurological signs	1.99E-09	266	
Mammary	Rice					
gland	straw	Negative	synthesis of lipid	2.08E-09	289	
Mammary	Rice					
gland	straw	Negative	cell death of fibroblast cell lines	2.35E-09	182	
Mammary	Rice					
gland	straw	Negative	neuromuscular disease	3.09E-09	349	
Mammary	Rice					
gland	straw	Negative	concentration of fatty acid	3.18E-09	125	
Mammary	Rice					
gland	straw	Negative	transcription of DNA	3.36E-09	575	
Mammary	Rice					
gland	straw	Negative	Neurodegeneration	4.30E-09	136	
Mammary	Rice					
gland	straw	Negative	Huntington's Disease	4.71E-09	236	
Mammary	Rice					
gland	straw	Negative	transport of carbohydrate	5.08E-09	91	
Mammary	Rice					
gland	straw	Negative	degeneration of cells	5.83E-09	149	
Mammary	Rice					
gland	straw	Negative	quantity of leukocytes	6.18E-09	359	
Mammary	Rice					
gland	straw	Negative	Growth Failure	7.16E-09	244	
Mammary	Rice					
gland	straw	Negative	invasion of tumor cell lines	9.05E-09	268	
Mammary	Rice					
gland	straw	Negative	morphology of body cavity	1.05E-08	455	
Mammary	Rice					
gland	straw	Negative	fibrogenesis	1.50E-08	173	
Mammary	Rice	Negative	cell death of epithelial cell lines	1.55E-08	124	

gland	straw					
Mammary	Rice					
gland	straw	Negative	abnormal morphology of thoracic cavity	1.62E-08	238	
Mammary	Rice					
gland	straw	Negative	apoptosis of fibroblast cell lines	2.09E-08	141	
Mammary	Rice					
gland	straw	Negative	development of leukocytes	2.42E-08	238	
Mammary	Rice					
gland	straw	Negative	development of lymphocytes	2.46E-08	225	
Mammary	Rice					
gland	straw	Negative	apoptosis of cervical cancer cell lines	2.57E-08	123	
Mammary	Rice					
gland	straw	Negative	development of blood cells	2.82E-08	261	
Mammary	Rice					
gland	straw	Negative	growth of lesion	3.19E-08	313	
Mammary	Rice					
gland	straw	Negative	development of mononuclear leukocytes	3.20E-08	226	
Mammary	Rice					
gland	straw	Negative	quantity of blood cells	3.21E-08	394	
Mammary	Rice					
gland	straw	Negative	growth of tumor	3.90E-08	312	
Mammary	Rice					
gland	straw	Negative	cell viability of cervical cancer cell lines	4.07E-08	99	
Mammary	Rice					
gland	straw	Negative	growth of organism	4.20E-08	326	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of body cavity	5.94E-08	432	
Mammary	Rice					
gland	straw	Negative	organization of organelle	6.02E-08	218	
Mammary	Rice					
gland	straw	Negative	secretory pathway	8.18E-08	89	
Mammary	Rice					
gland	straw	Negative	neuronal cell death	8.54E-08	269	
Mammary	Rice					
gland	straw	Negative	cell transformation	1.02E-07	188	
Mammary	Rice					
gland	straw	Negative	growth of epithelial tissue	1.07E-07	268	
Mammary	Rice					
gland	straw	Negative	T cell development	1.31E-07	203	
Mammary	Rice					
gland	straw	Negative	growth of muscle tissue	1.33E-07	155	
Mammary	Rice					
gland	straw	Negative	proliferation of muscle cells	1.50E-07	154	
Mammary	Rice	Negative	cellular degradation	1.52E-07	110	

gland	straw					
Mammary	Rice					
gland	straw	Negative	small GTPase mediated signal transduction	1.75E-07	83	
Mammary	Rice					
gland	straw	Negative	growth of embryo	1.75E-07	193	
Mammary	Rice					
gland	straw	Negative	degeneration of neurons	1.85E-07	104	
Mammary	Rice					
gland	straw	Negative	cell spreading	2.10E-07	118	
Mammary	Rice					
gland	straw	Negative	apoptosis of epithelial cell lines	2.21E-07	98	
Mammary	Rice					
gland	straw	Negative	transport of monosaccharide	2.24E-07	73	
Mammary	Rice					
gland	straw	Negative	formation of filaments	2.51E-07	163	
Mammary	Rice					
gland	straw	Negative	proliferation of smooth muscle cells	2.63E-07	121	
Mammary	Rice					
gland	straw	Negative	metabolism of protein	3.25E-07	369	
Mammary	Rice					
gland	straw	Negative	ubiquitination of protein	3.32E-07	138	
Mammary	Rice					
gland	straw	Negative	homeostasis of leukocytes	3.63E-07	220	
Mammary	Rice					
gland	straw	Negative	Bleeding	3.95E-07	172	
Mammary	Rice					
gland	straw	Negative	behavior	3.98E-07	374	
Mammary	Rice					
gland	straw	Negative	Lymphocyte homeostasis	4.38E-07	216	
Mammary	Rice					
gland	straw	Negative	morphology of vessel	5.14E-07	128	
Mammary	Rice					
gland	straw	Negative	transport of protein	5.37E-07	126	
Mammary	Rice					
gland	straw	Negative	cell cycle progression	5.38E-07	393	
Mammary	Rice					
gland	straw	Negative	T cell homeostasis	5.38E-07	205	
Mammary	Rice					
gland	straw	Negative	autophagy	5.58E-07	153	
Mammary	Rice					
gland	straw	Negative	ubiquitination	5.58E-07	139	
Mammary	Rice					
gland	straw	Negative	colony formation	6.69E-07	212	
Mammary	Rice	Negative	morphology of heart	7.14E-07	164	

gland	straw				
Mammary	Rice				
gland	straw	Negative	quantity of carbohydrate	7.80E-07	205
Mammary	Rice				
gland	straw	Negative	cell death of immune cells	7.91E-07	256
Mammary	Rice				
gland	straw	Negative	size of animal	8.21E-07	79
Mammary	Rice				
gland	straw	Negative	organization of actin cytoskeleton	8.21E-07	125
Mammary	Rice				
gland	straw	Negative	Edema	8.36E-07	141
Mammary	Rice				
gland	straw	Negative	congenital anomaly of musculoskeletal system	8.48E-07	283
Mammary	Rice				
gland	straw	Negative	female genital tract serous cancer	9.59E-07	156
Mammary	Rice				
gland	straw	Negative	formation of filopodia	9.78E-07	74
Mammary	Rice				
gland	straw	Negative	function of cardiovascular system	1.03E-06	150
Mammary	Rice				
gland	straw	Negative	transport of D-hexose	1.07E-06	66
Mammary	Rice				
gland	straw	Negative	cognition	1.07E-06	181
Mammary	Rice				
gland	straw	Negative	fatty acid metabolism	1.09E-06	234
Mammary	Rice				
gland	straw	Negative	exocytosis	1.12E-06	83
Mammary	Rice				
gland	straw	Negative	cell death of blood cells	1.15E-06	267
Mammary	Rice				
gland	straw	Negative	metabolism of nucleotide	1.20E-06	175
Mammary	Rice				
gland	straw	Negative	serous neoplasm	1.22E-06	237
Mammary	Rice				
gland	straw	Negative	development of lymphatic system component	1.48E-06	127
Mammary	Rice				
gland	straw	Negative	transport of D-glucose	1.48E-06	65
Mammary	Rice				
gland	straw	Negative	activation of cells	1.59E-06	366
Mammary	Rice				
gland	straw	Negative	proliferation of fibroblasts	1.63E-06	143
Mammary	Rice				
gland	straw	Negative	activation of enzyme	1.64E-06	156
Mammary	Rice	Negative	abdominal adenocarcinoma	1.82E-06	2000

gland	straw					
Mammary	Rice					
gland	straw	Negative	development of lymphatic system	1.97E-06	144	
Mammary	Rice					
gland	straw	Negative	differentiation of leukocytes	2.14E-06	258	
Mammary	Rice		intermediate disease stage peripheral arterial			
gland	straw	Negative	disease	2.20E-06	70	
Mammary	Rice					
gland	straw	Negative	neonatal death	2.26E-06	174	
Mammary	Rice					
gland	straw	Negative	cell death of kidney cells	2.35E-06	141	
Mammary	Rice					
gland	straw	Negative	colony formation of cells	2.38E-06	193	
Mammary	Rice					
gland	straw	Negative	quantity of mononuclear leukocytes	2.41E-06	280	
Mammary	Rice					
gland	straw	Negative	arthropathy	2.41E-06	356	
Mammary	Rice					
gland	straw	Negative	learning	2.41E-06	166	
Mammary	Rice					
gland	straw	Negative	transactivation	2.41E-06	224	
Mammary	Rice					
gland	straw	Negative	engulfment of cells	2.49E-06	162	
Mammary	Rice					
gland	straw	Negative	seizures	2.64E-06	159	
Mammary	Rice					
gland	straw	Negative	proliferation of neuronal cells	2.66E-06	223	
Mammary	Rice					
gland	straw	Negative	phosphorylation of L-amino acid	2.66E-06	93	
Mammary	Rice					
gland	straw	Negative	arthritis	2.73E-06	350	
Mammary	Rice					
gland	straw	Negative	uptake of carbohydrate	2.88E-06	119	
Mammary	Rice					
gland	straw	Negative	uptake of monosaccharide	2.96E-06	111	
Mammary	Rice					
gland	straw	Negative	concentration of Ca ²⁺	2.96E-06	58	
Mammary	Rice					
gland	straw	Negative	morphology of skin	3.14E-06	112	
Mammary	Rice					
gland	straw	Negative	morphology of nervous system	3.38E-06	296	
Mammary	Rice					
gland	straw	Negative	differentiation of lymphocytes	3.74E-06	194	
Mammary	Rice	Negative	survival of organism	4.41E-06	267	

gland	straw					
Mammary	Rice					
gland	straw	Negative	growth of lymphatic system component	4.42E-06	82	
Mammary	Rice					
gland	straw	Negative	peripheral arterial disease	4.95E-06	89	
Mammary	Rice					
gland	straw	Negative	degeneration of central nervous system	4.95E-06	59	
Mammary	Rice		metabolism of nucleic acid component or			
gland	straw	Negative	derivative	5.05E-06	201	
Mammary	Rice					
gland	straw	Negative	morphology of blood vessel	5.27E-06	115	
Mammary	Rice					
gland	straw	Negative	synthesis of carbohydrate	5.27E-06	167	
Mammary	Rice					
gland	straw	Negative	Thrombosis	5.37E-06	73	
Mammary	Rice					
gland	straw	Negative	adenocarcinoma	5.56E-06	2186	
Mammary	Rice					
gland	straw	Negative	function of blood cells	5.56E-06	225	
Mammary	Rice					
gland	straw	Negative	autosomal dominant disease	5.56E-06	243	
Mammary	Rice					
gland	straw	Negative	seizure disorder	5.88E-06	183	
Mammary	Rice					
gland	straw	Negative	dysmyelination	5.89E-06	60	
Mammary	Rice					
gland	straw	Negative	uterine serous papillary cancer	6.00E-06	96	
Mammary	Rice					
gland	straw	Negative	proliferation of epithelial cells	6.36E-06	191	
Mammary	Rice					
gland	straw	Negative	cell movement of fibroblasts	6.36E-06	78	
Mammary	Rice					
gland	straw	Negative	differentiation of muscle cell lines	6.95E-06	70	
Mammary	Rice					
gland	straw	Negative	formation of lymphatic system component	7.05E-06	118	
Mammary	Rice					
gland	straw	Negative	metabolism of sphingolipid	7.05E-06	61	
Mammary	Rice					
gland	straw	Negative	morphology of head	7.17E-06	326	
Mammary	Rice					
gland	straw	Negative	quantity of lymphocytes	7.43E-06	267	
Mammary	Rice					
gland	straw	Negative	benign neoplasia	7.57E-06	343	
Mammary	Rice	Negative	peripheral vascular disease	7.71E-06	150	

gland	straw					
Mammary	Rice					
gland	straw	Negative	formation of skin	7.72E-06	145	
Mammary	Rice					
gland	straw	Negative	proliferation of blood cells	7.98E-06	314	
Mammary	Rice					
gland	straw	Negative	differentiation of connective tissue cells	7.98E-06	244	
Mammary	Rice					
gland	straw	Negative	morphology of bone	8.28E-06	175	
Mammary	Rice					
gland	straw	Negative	cell death of T lymphocytes	8.36E-06	126	
Mammary	Rice					
gland	straw	Negative	apoptosis of connective tissue cells	8.38E-06	119	
Mammary	Rice					
gland	straw	Negative	gastrointestinal carcinoma	8.50E-06	1542	
Mammary	Rice					
gland	straw	Negative	demyelination	8.50E-06	54	
Mammary	Rice					
gland	straw	Negative	replication of RNA virus	8.86E-06	195	
Mammary	Rice					
gland	straw	Negative	apoptosis of epithelial cells	9.46E-06	115	
Mammary	Rice					
gland	straw	Negative	formation of actin filaments	9.48E-06	122	
Mammary	Rice					
gland	straw	Negative	metabolism of glycosphingolipid	9.82E-06	56	
Mammary	Rice					
gland	straw	Negative	morphology of reproductive system	1.04E-05	205	
Mammary	Rice					
gland	straw	Negative	cell death of stem cells	1.04E-05	40	
Mammary	Rice					
gland	straw	Negative	differentiation of mononuclear leukocytes	1.04E-05	207	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of abdomen	1.04E-05	325	
Mammary	Rice					
gland	straw	Negative	mitosis	1.05E-05	191	
Mammary	Rice					
gland	straw	Negative	synthesis of nucleotide	1.05E-05	143	
Mammary	Rice					
gland	straw	Negative	quantity of connective tissue	1.05E-05	229	
Mammary	Rice					
gland	straw	Negative	cell death of kidney cell lines	1.22E-05	121	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of heart	1.26E-05	150	
Mammary	Rice	Negative	concentration of phospholipid	1.26E-05	77	

gland	straw					
Mammary	Rice					
gland	straw	Negative	differentiation of blood cells	1.27E-05	313	
Mammary	Rice					
gland	straw	Negative	proliferation of immune cells	1.28E-05	295	
Mammary	Rice					
gland	straw	Negative	breast or colorectal cancer	1.37E-05	1682	
Mammary	Rice					
gland	straw	Negative	necrosis of kidney	1.38E-05	143	
Mammary	Rice					
gland	straw	Negative	function of leukocytes	1.40E-05	205	
Mammary	Rice					
gland	straw	Negative	migration of smooth muscle cells	1.40E-05	64	
Mammary	Rice					
gland	straw	Negative	activation of Protein kinase	1.43E-05	102	
Mammary	Rice					
gland	straw	Negative	concentration of acylglycerol	1.53E-05	132	
Mammary	Rice					
gland	straw	Negative	migration of muscle cells	1.61E-05	70	
Mammary	Rice					
gland	straw	Negative	metabolism of membrane lipid derivative	1.63E-05	151	
Mammary	Rice					
gland	straw	Negative	cell movement of connective tissue cells	1.65E-05	91	
Mammary	Rice					
gland	straw	Negative	movement of vascular endothelial cells	1.68E-05	76	
Mammary	Rice					
gland	straw	Negative	formation of cells	1.69E-05	360	
Mammary	Rice					
gland	straw	Negative	cell death of muscle cells	1.74E-05	132	
Mammary	Rice					
gland	straw	Negative	development of endothelial tissue	1.77E-05	143	
Mammary	Rice					
gland	straw	Negative	growth of embryonic tissue	1.84E-05	110	
Mammary	Rice					
gland	straw	Negative	cell death of muscle	1.89E-05	135	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of embryonic tissue	1.89E-05	208	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of reproductive system	2.03E-05	194	
Mammary	Rice					
gland	straw	Negative	development of cardiovascular tissue	2.05E-05	144	
Mammary	Rice					
gland	straw	Negative	cell death of fibroblasts	2.05E-05	106	
Mammary	Rice	Negative	formation of lymphoid organ	2.05E-05	106	

gland	straw					
Mammary	Rice					
gland	straw	Negative	biosynthesis of nucleoside triphosphate	2.06E-05	48	
Mammary	Rice					
gland	straw	Negative	binding of DNA	2.27E-05	198	
Mammary	Rice					
gland	straw	Negative	cell movement of smooth muscle cells	2.39E-05	68	
Mammary	Rice					
gland	straw	Negative	necrosis of muscle	2.39E-05	134	
Mammary	Rice					
gland	straw	Negative	abdominal carcinoma	2.42E-05	2012	
Mammary	Rice					
gland	straw	Negative	synthesis of sphingolipid	2.43E-05	50	
Mammary	Rice					
gland	straw	Negative	quantity of B lymphocytes	2.43E-05	135	
Mammary	Rice					
gland	straw	Negative	proliferation of fibroblast cell lines	2.44E-05	163	
Mammary	Rice					
gland	straw	Negative	metabolism of nucleoside triphosphate	2.44E-05	60	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of head	2.48E-05	307	
Mammary	Rice					
gland	straw	Negative	replication of virus	2.50E-05	212	
Mammary	Rice					
gland	straw	Negative	apoptosis of kidney cell lines	2.65E-05	96	
Mammary	Rice					
gland	straw	Negative	apoptosis of pheochromocytoma cell lines	2.66E-05	42	
Mammary	Rice					
gland	straw	Negative	cell movement of muscle cells	2.70E-05	75	
Mammary	Rice					
gland	straw	Negative	development of epithelial tissue	2.71E-05	196	
Mammary	Rice					
gland	straw	Negative	activation of blood cells	2.81E-05	277	
Mammary	Rice					
gland	straw	Negative	cell death of lymphocytes	2.82E-05	149	
Mammary	Rice					
gland	straw	Negative	formation of plasma membrane projections	2.97E-05	224	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of nervous system	2.99E-05	269	
Mammary	Rice					
gland	straw	Negative	cell death of mononuclear leukocytes	2.99E-05	153	
Mammary	Rice					
gland	straw	Negative	gastrointestinal tract cancer	3.17E-05	1706	
Mammary	Rice	Negative	hepatic steatosis	3.20E-05	106	

gland	straw					
Mammary	Rice					
gland	straw	Negative	paraproteinemia	3.20E-05	131	
Mammary	Rice					
gland	straw	Negative	morphology of respiratory system	3.25E-05	122	
Mammary	Rice					
gland	straw	Negative	neuritogenesis	3.27E-05	219	
Mammary	Rice					
gland	straw	Negative	stress response of cells	3.29E-05	59	
Mammary	Rice					
gland	straw	Negative	homing of cells	3.29E-05	210	
Mammary	Rice					
gland	straw	Negative	congenital malformation of skeleton	3.31E-05	162	
Mammary	Rice					
gland	straw	Negative	endocytosis	3.40E-05	134	
Mammary	Rice					
gland	straw	Negative	function of muscle	3.48E-05	135	
Mammary	Rice					
gland	straw	Negative	endothelial cell development	3.63E-05	137	
Mammary	Rice					
gland	straw	Negative	growth of skin	3.63E-05	88	
Mammary	Rice					
gland	straw	Negative	synthesis of fatty acid	3.68E-05	122	
Mammary	Rice					
gland	straw	Negative	differentiation of epithelial tissue	3.76E-05	139	
Mammary	Rice					
gland	straw	Negative	proliferation of hematopoietic progenitor cells	3.76E-05	97	
Mammary	Rice					
gland	straw	Negative	differentiation of T lymphocytes	3.76E-05	146	
Mammary	Rice					
gland	straw	Negative	synthesis of reactive oxygen species	3.80E-05	182	
Mammary	Rice					
gland	straw	Negative	degeneration of brain	3.83E-05	54	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of respiratory system	3.94E-05	120	
Mammary	Rice					
gland	straw	Negative	synthesis of ceramide	4.03E-05	34	
Mammary	Rice					
gland	straw	Negative	Gastrointestinal Tract Cancer and Tumors	4.03E-05	1731	
Mammary	Rice					
gland	straw	Negative	interphase	4.10E-05	244	
Mammary	Rice					
gland	straw	Negative	synthesis of glycosphingolipid	4.10E-05	45	
Mammary	Rice	Negative	proliferation of embryonic cells	4.10E-05	99	

gland	straw					
Mammary	Rice					
gland	straw	Negative	infection by RNA virus	4.21E-05	317	
Mammary	Rice					
gland	straw	Negative	MAPKKK cascade	4.22E-05	83	
Mammary	Rice					
gland	straw	Negative	proliferation of epidermal cells	4.22E-05	70	
Mammary	Rice					
gland	straw	Negative	cell death of pheochromocytoma cell lines	4.41E-05	52	
Mammary	Rice					
gland	straw	Negative	plasma cell dyscrasia	4.44E-05	130	
Mammary	Rice					
gland	straw	Negative	accumulation of cells	4.44E-05	136	
Mammary	Rice					
gland	straw	Negative	multiple congenital anomalies	4.45E-05	161	
Mammary	Rice					
gland	straw	Negative	proliferation of hematopoietic cells	4.45E-05	101	
Mammary	Rice					
gland	straw	Negative	Rheumatic Disease	4.45E-05	389	
Mammary	Rice					
gland	straw	Negative	activation of DNA endogenous promoter	4.58E-05	433	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of bone	4.62E-05	166	
Mammary	Rice					
gland	straw	Negative	abnormal quantity of lipid	4.77E-05	62	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of internal genitalia	4.89E-05	135	
Mammary	Rice					
gland	straw	Negative	cell death of skin	5.05E-05	46	
Mammary	Rice					
gland	straw	Negative	quantity of IL-6 in blood	5.25E-05	39	
Mammary	Rice					
gland	straw	Negative	biosynthesis of purine ribonucleotide	5.37E-05	45	
Mammary	Rice					
gland	straw	Negative	keratosis	5.62E-05	52	
Mammary	Rice					
gland	straw	Negative	formation of lamellipodia	5.62E-05	67	
Mammary	Rice					
gland	straw	Negative	cell movement of endothelial cells	5.66E-05	136	
Mammary	Rice					
gland	straw	Negative	morphology of heart ventricle	5.87E-05	78	
Mammary	Rice					
gland	straw	Negative	cell death of tumor	5.88E-05	146	
Mammary	Rice	Negative	autophagy of cells	5.88E-05	104	

gland	straw					
Mammary	Rice					
gland	straw	Negative	dephosphorylation of protein	5.97E-05	76	
Mammary	Rice					
gland	straw	Negative	development of abdomen	6.00E-05	216	
Mammary	Rice					
gland	straw	Negative	homing	6.03E-05	214	
Mammary	Rice					
gland	straw	Negative	mass of connective tissue	6.07E-05	81	
Mammary	Rice					
gland	straw	Negative	uptake of D-hexose	6.10E-05	89	
Mammary	Rice					
gland	straw	Negative	formation of actin stress fibers	6.10E-05	95	
Mammary	Rice					
gland	straw	Negative	secretion of molecule	6.10E-05	206	
Mammary	Rice					
gland	straw	Negative	cell movement of myeloid cells	6.13E-05	202	
Mammary	Rice					
gland	straw	Negative	metabolism of glycolipid	6.61E-05	63	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of blood vessel	6.74E-05	104	
Mammary	Rice					
gland	straw	Negative	transactivation of RNA	6.76E-05	203	
Mammary	Rice					
gland	straw	Negative	quantity of metal	6.80E-05	187	
Mammary	Rice					
gland	straw	Negative	retinal degeneration	6.88E-05	101	
Mammary	Rice					
gland	straw	Negative	development of hematopoietic system	7.01E-05	98	
Mammary	Rice					
gland	straw	Negative	attachment of cells	7.37E-05	57	
Mammary	Rice					
gland	straw	Negative	concentration of phosphatidic acid	7.37E-05	57	
Mammary	Rice					
gland	straw	Negative	synthesis of DNA	7.37E-05	158	
Mammary	Rice					
gland	straw	Negative	mass of fat pad	7.40E-05	48	
Mammary	Rice					
gland	straw	Negative	infection of cells	8.04E-05	291	
Mammary	Rice					
gland	straw	Negative	homo-oligomerization of protein	8.08E-05	56	
Mammary	Rice					
gland	straw	Negative	metabolism of reactive oxygen species	8.29E-05	187	
Mammary	Rice	Negative	experimentally-induced diabetes	8.29E-05	42	

gland	straw					
Mammary	Rice					
gland	straw	Negative	damage of nervous system	8.38E-05	89	
Mammary	Rice					
gland	straw	Negative	Waldenstrom's macroglobulinemia	8.45E-05	76	
Mammary	Rice					
gland	straw	Negative	apoptosis of macrophages	8.51E-05	46	
Mammary	Rice					
gland	straw	Negative	gastrointestinal adenocarcinoma	8.80E-05	1442	
Mammary	Rice					
gland	straw	Negative	cell movement of breast cancer cell lines	8.80E-05	112	
Mammary	Rice					
gland	straw	Negative	outgrowth of plasma membrane projections	8.83E-05	154	
Mammary	Rice					
gland	straw	Negative	formation of vascular lesion	8.83E-05	49	
Mammary	Rice					
gland	straw	Negative	morphology of connective tissue	8.83E-05	173	
Mammary	Rice					
gland	straw	Negative	growth of lymphoid organ	8.87E-05	70	
Mammary	Rice					
gland	straw	Negative	cardiogenesis	8.88E-05	177	
Mammary	Rice					
gland	straw	Negative	migration of vascular endothelial cells	8.90E-05	68	
Mammary	Rice					
gland	straw	Negative	aggregation of blood platelets	8.95E-05	77	
Mammary	Rice					
gland	straw	Negative	morphogenesis of neurites	8.98E-05	158	
Mammary	Rice					
gland	straw	Negative	morphology of genital organ	9.10E-05	160	
Mammary	Rice					
gland	straw	Negative	differentiation of connective tissue	9.35E-05	267	
Mammary	Rice					
gland	straw	Negative	migration of connective tissue cells	9.40E-05	73	
Mammary	Rice					
gland	straw	Negative	formation of lung	9.67E-05	116	
Mammary	Rice					
gland	straw	Negative	apoptosis of blood cells	9.84E-05	185	
Mammary	Rice					
gland	straw	Negative	apoptosis of carcinoma cell lines	9.85E-05	96	
Mammary	Rice					
gland	straw	Negative	morphogenesis of neurons	1.01E-04	160	
Mammary	Rice					
gland	straw	Negative	concentration of triacylglycerol	1.01E-04	118	
Mammary	Rice	Negative	quantity of interleukin	1.02E-04	58	

gland	straw					
Mammary	Rice					
gland	straw	Negative	outgrowth of cells	1.02E-04	163	
Mammary	Rice					
gland	straw	Negative	activation of leukocytes	1.03E-04	256	
Mammary	Rice					
gland	straw	Negative	oligomerization of protein	1.04E-04	94	
Mammary	Rice					
gland	straw	Negative	epileptic seizure	1.07E-04	68	
Mammary	Rice					
gland	straw	Negative	degeneration of eye	1.07E-04	102	
Mammary	Rice					
gland	straw	Negative	necrosis of tumor	1.09E-04	144	
Mammary	Rice					
gland	straw	Negative	morphology of muscle	1.09E-04	128	
Mammary	Rice					
gland	straw	Negative	quantity of cytokine	1.10E-04	99	
Mammary	Rice					
gland	straw	Negative	chronic inflammatory disorder	1.11E-04	350	
Mammary	Rice					
gland	straw	Negative	sprouting	1.11E-04	146	
Mammary	Rice					
gland	straw	Negative	quantity of metal ion	1.14E-04	166	
Mammary	Rice					
gland	straw	Negative	apoptosis of leukocytes	1.16E-04	171	
Mammary	Rice					
gland	straw	Negative	gliosis of brain	1.16E-04	21	
Mammary	Rice					
gland	straw	Negative	paralysis	1.16E-04	67	
Mammary	Rice					
gland	straw	Negative	blood protein disorder	1.18E-04	142	
Mammary	Rice					
gland	straw	Negative	neurodegeneration of central nervous system	1.18E-04	48	
Mammary	Rice					
gland	straw	Negative	spatial learning	1.19E-04	74	
Mammary	Rice					
gland	straw	Negative	proliferation of mononuclear leukocytes	1.22E-04	269	
Mammary	Rice					
gland	straw	Negative	differentiation of muscle	1.22E-04	116	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of skin	1.24E-04	95	
Mammary	Rice					
gland	straw	Negative	long-term potentiation	1.24E-04	95	
Mammary	Rice	Negative	cell death of macrophages	1.25E-04	53	

gland	straw					
Mammary	Rice					
gland	straw	Negative	formation of thymus gland	1.28E-04	66	
Mammary	Rice					
gland	straw	Negative	outgrowth of neurites	1.28E-04	152	
Mammary	Rice					
gland	straw	Negative	internalization of protein	1.29E-04	43	
Mammary	Rice					
gland	straw	Negative	cell movement of phagocytes	1.34E-04	203	
Mammary	Rice					
gland	straw	Negative	proliferation of dermal cells	1.34E-04	71	
Mammary	Rice					
gland	straw	Negative	quantity of T lymphocytes	1.36E-04	198	
Mammary	Rice					
gland	straw	Negative	chronic psoriasis	1.38E-04	59	
Mammary	Rice					
gland	straw	Negative	proliferation of tumor cells	1.40E-04	175	
Mammary	Rice					
gland	straw	Negative	formation of focal adhesions	1.40E-04	63	
Mammary	Rice					
gland	straw	Negative	apoptosis of renal glomerulus	1.40E-04	27	
Mammary	Rice					
gland	straw	Negative	targeting of protein	1.42E-04	54	
Mammary	Rice					
gland	straw	Negative	outgrowth of neurons	1.43E-04	153	
Mammary	Rice					
gland	straw	Negative	vascularization	1.45E-04	92	
Mammary	Rice					
gland	straw	Negative	apoptosis of skin	1.45E-04	41	
Mammary	Rice					
gland	straw	Negative	cell death of renal glomerulus	1.45E-04	28	
Mammary	Rice					
gland	straw	Negative	skin abnormality	1.47E-04	89	
Mammary	Rice					
gland	straw	Negative	chemotaxis of cells	1.48E-04	195	
Mammary	Rice					
gland	straw	Negative	apoptosis of stem cells	1.51E-04	32	
Mammary	Rice					
gland	straw	Negative	angiogenesis of lesion	1.55E-04	53	
Mammary	Rice					
gland	straw	Negative	Cytosis	1.55E-04	122	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of genital organ	1.58E-04	153	
Mammary	Rice	Negative	prostatic intraepithelial neoplasia	1.59E-04	50	

gland	straw				
Mammary	Rice				
gland	straw	Negative	neurodegeneration of brain	1.59E-04	47
Mammary	Rice				
gland	straw	Negative	advanced malignant tumor	1.61E-04	305
Mammary	Rice				
gland	straw	Negative	proliferation of lymphocytes	1.71E-04	264
Mammary	Rice				
gland	straw	Negative	stabilization of filaments	1.73E-04	46
Mammary	Rice				
gland	straw	Negative	cell death of heart cells	1.73E-04	86
Mammary	Rice				
gland	straw	Negative	mass of adipose tissue	1.77E-04	75
Mammary	Rice				
gland	straw	Negative	cell death of dermal cells	1.78E-04	42
Mammary	Rice				
gland	straw	Negative	differentiation of epidermal cells	1.84E-04	66
Mammary	Rice				
gland	straw	Negative	synthesis of protein	1.84E-04	166
Mammary	Rice				
gland	straw	Negative	craniofacial abnormality	1.86E-04	134
Mammary	Rice				
gland	straw	Negative	infection by Retroviridae	1.90E-04	261
Mammary	Rice				
gland	straw	Negative	expression of protein	1.93E-04	128
Mammary	Rice				
gland	straw	Negative	cell death of carcinoma cell lines	1.93E-04	109
Mammary	Rice				
gland	straw	Negative	cell death of liver cells	2.01E-04	77
Mammary	Rice				
gland	straw	Negative	abnormal morphology of body wall	2.01E-04	44
Mammary	Rice				
gland	straw	Negative	differentiation of endothelial cells	2.01E-04	34
Mammary	Rice				
gland	straw	Negative	uptake of D-glucose	2.01E-04	86
Mammary	Rice				
gland	straw	Negative	migration of endothelial cells	2.03E-04	124
Mammary	Rice				
gland	straw	Negative	differentiation of keratinocytes	2.05E-04	61
Mammary	Rice				
gland	straw	Negative	fusion of vesicles	2.06E-04	33
Mammary	Rice				
gland	straw	Negative	development of body axis	2.06E-04	374
Mammary	Rice	Negative	proliferation of hepatoma cell lines	2.11E-04	78

gland	straw					
Mammary	Rice					
gland	straw	Negative	fusion of cellular membrane	2.11E-04	28	
Mammary	Rice					
gland	straw	Negative	juvenile dermatomyositis	2.11E-04	28	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of rib cage	2.12E-04	39	
Mammary	Rice					
gland	straw	Negative	apoptosis of dermal cells	2.12E-04	39	
Mammary	Rice					
gland	straw	Negative	morphology of lymphatic system component	2.15E-04	155	
Mammary	Rice					
gland	straw	Negative	cell death of sarcoma cell lines	2.17E-04	88	
Mammary	Rice					
gland	straw	Negative	concentration of sterol	2.23E-04	116	
Mammary	Rice					
gland	straw	Negative	chemotaxis	2.24E-04	200	
Mammary	Rice					
gland	straw	Negative	morphology of lung	2.29E-04	74	
Mammary	Rice					
gland	straw	Negative	I-kappaB kinase/NF-kappaB cascade	2.29E-04	69	
Mammary	Rice					
gland	straw	Negative	export of molecule	2.32E-04	112	
Mammary	Rice					
gland	straw	Negative	cell viability of fibroblast cell lines	2.34E-04	48	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of lung	2.38E-04	72	
Mammary	Rice					
gland	straw	Negative	incidence of tumor	2.43E-04	121	
Mammary	Rice					
gland	straw	Negative	quantity of lymphatic system component	2.44E-04	141	
Mammary	Rice					
gland	straw	Negative	cell death of heart	2.52E-04	88	
Mammary	Rice					
gland	straw	Negative	apoptosis of muscle	2.52E-04	100	
Mammary	Rice					
gland	straw	Negative	formation of pathological cyst	2.54E-04	47	
Mammary	Rice					
gland	straw	Negative	cell death of liver	2.54E-04	92	
Mammary	Rice					
gland	straw	Negative	exocytosis by cells	2.57E-04	52	
Mammary	Rice					
gland	straw	Negative	activation of neuroglia	2.65E-04	54	
Mammary	Rice	Negative	growth of plasma membrane projections	2.67E-04	172	

gland	straw				
Mammary	Rice				
gland	straw	Negative	accumulation of lipid	2.67E-04	113
Mammary	Rice				
gland	straw	Negative	consumption of oxygen	2.68E-04	62
Mammary	Rice				
gland	straw	Negative	Pathological Cyst	2.68E-04	56
Mammary	Rice				
gland	straw	Negative	morphology of pulmonary alveolus	2.68E-04	49
Mammary	Rice				
gland	straw	Negative	arrest in proliferation of cells	2.69E-04	83
Mammary	Rice				
gland	straw	Negative	morphology of rib	2.79E-04	33
Mammary	Rice				
gland	straw	Negative	cell movement of blood cells	2.79E-04	313
Mammary	Rice				
gland	straw	Negative	cell movement of leukocytes	2.79E-04	276
Mammary	Rice				
gland	straw	Negative	concentration of cholesterol	2.82E-04	110
Mammary	Rice				
gland	straw	Negative	cell death of breast cancer cell lines	2.86E-04	125
Mammary	Rice				
gland	straw	Negative	production of HIV	2.98E-04	27
Mammary	Rice				
gland	straw	Negative	migration of blood cells	3.03E-04	312
Mammary	Rice				
gland	straw	Negative	quantity of protein in blood	3.08E-04	186
Mammary	Rice				
gland	straw	Negative	polarization of tumor cell lines	3.08E-04	21
Mammary	Rice				
gland	straw	Negative	differentiation of skin	3.10E-04	71
Mammary	Rice				
gland	straw	Negative	failure of heart	3.11E-04	94
Mammary	Rice				
gland	straw	Negative	familial Alzheimer's disease	3.11E-04	16
Mammary	Rice				
gland	straw	Negative	breast or ovarian cancer	3.12E-04	659
Mammary	Rice				
gland	straw	Negative	apoptosis of heart cells	3.14E-04	74
Mammary	Rice				
gland	straw	Negative	apoptosis of muscle cells	3.15E-04	99
Mammary	Rice				
gland	straw	Negative	proliferation of endothelial cells	3.20E-04	117
Mammary	Rice	Negative	necrosis of liver	3.21E-04	91

gland	straw					
Mammary	Rice					
gland	straw	Negative	apoptosis of antigen presenting cells	3.25E-04	56	
Mammary	Rice					
gland	straw	Negative	apoptosis of fibroblasts	3.25E-04	84	
Mammary	Rice					
gland	straw	Negative	neoplasia of tumor cell lines	3.29E-04	119	
Mammary	Rice					
gland	straw	Negative	metastasis	3.30E-04	273	
Mammary	Rice					
gland	straw	Negative	cell death of embryonic cell lines	3.31E-04	92	
Mammary	Rice					
gland	straw	Negative	hyperkeratosis	3.33E-04	40	
Mammary	Rice					
gland	straw	Negative	demyelination of central nervous system	3.40E-04	22	
Mammary	Rice					
gland	straw	Negative	glandular intraepithelial neoplasm	3.42E-04	51	
Mammary	Rice					
gland	straw	Negative	homologous recombination	3.42E-04	51	
Mammary	Rice					
gland	straw	Negative	leukocyte migration	3.43E-04	311	
Mammary	Rice					
gland	straw	Negative	apoptosis of liver	3.44E-04	63	
Mammary	Rice					
gland	straw	Negative	cell death of tumor cells	3.58E-04	138	
Mammary	Rice					
gland	straw	Negative	colon cancer	3.59E-04	1246	
Mammary	Rice					
gland	straw	Negative	quantity of muscle cells	3.60E-04	48	
Mammary	Rice					
gland	straw	Negative	colorectal carcinoma	3.64E-04	1247	
Mammary	Rice					
gland	straw	Negative	infection by lentivirus	3.69E-04	257	
Mammary	Rice					
gland	straw	Negative	cell movement of antigen presenting cells	3.73E-04	130	
Mammary	Rice					
gland	straw	Negative	cell death of neuroblastoma cell lines	3.87E-04	75	
Mammary	Rice					
gland	straw	Negative	advanced stage peripheral arterial disease	3.89E-04	60	
Mammary	Rice					
gland	straw	Negative	transport of amino acids	3.91E-04	54	
Mammary	Rice					
gland	straw	Negative	apoptosis of glomerular cells	3.91E-04	24	
Mammary	Rice	Negative	abnormal morphology of pulmonary alveolus	3.92E-04	47	

gland	straw					
Mammary	Rice					
gland	straw	Negative	branching of cells	3.93E-04	137	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of rib	3.99E-04	31	
Mammary	Rice					
gland	straw	Negative	HIV infection	4.00E-04	256	
Mammary	Rice					
gland	straw	Negative	modification of peptide	4.00E-04	44	
Mammary	Rice					
gland	straw	Negative	necrosis of renal glomerulus	4.05E-04	25	
Mammary	Rice					
gland	straw	Negative	angiogenesis of tumor	4.07E-04	49	
Mammary	Rice					
gland	straw	Negative	plasticity of synapse	4.07E-04	49	
Mammary	Rice					
gland	straw	Negative	apoptosis of mesangial cells	4.10E-04	15	
Mammary	Rice					
gland	straw	Negative	formation of eye	4.17E-04	161	
Mammary	Rice					
gland	straw	Negative	proliferation of vascular smooth muscle cells	4.18E-04	61	
Mammary	Rice					
gland	straw	Negative	migration of fibroblasts	4.29E-04	57	
Mammary	Rice					
gland	straw	Negative	polymerization of protein	4.35E-04	137	
Mammary	Rice					
gland	straw	Negative	differentiation of tumor cell lines	4.42E-04	140	
Mammary	Rice					
gland	straw	Negative	repair of DNA	4.43E-04	109	
Mammary	Rice					
gland	straw	Negative	neoplasia of colon	4.45E-04	1248	
Mammary	Rice					
gland	straw	Negative	growth of neurites	4.53E-04	169	
Mammary	Rice					
gland	straw	Negative	synthesis of nitric oxide	4.53E-04	104	
Mammary	Rice					
gland	straw	Negative	maturation of cells	4.54E-04	167	
Mammary	Rice					
gland	straw	Negative	cell death of epidermal cells	4.55E-04	39	
Mammary	Rice					
gland	straw	Negative	cell death of cardiomyocytes	4.55E-04	82	
Mammary	Rice					
gland	straw	Negative	abnormal morphology of lymph node	4.59E-04	60	
Mammary	Rice	Negative	accumulation of blood cells	4.59E-04	105	

gland	straw					
Mammary	Corn					
gland	stover	Positive	proliferation of cells	3.05E-25	940	
Mammary	Corn					
gland	stover	Positive	organismal death	8.39E-24	650	
Mammary	Corn					
gland	stover	Positive	morbidity or mortality	2.01E-23	655	
Mammary	Corn					
gland	stover	Positive	cell death	7.18E-20	836	
Mammary	Corn					
gland	stover	Positive	necrosis	4.16E-19	667	
Mammary	Corn					
gland	stover	Positive	morphology of cells	1.90E-18	525	
Mammary	Corn					
gland	stover	Positive	cell movement	9.18E-17	558	
Mammary	Corn					
gland	stover	Positive	apoptosis	6.22E-16	666	
Mammary	Corn					
gland	stover	Positive	cancer	1.34E-15	2309	
Mammary	Corn					
gland	stover	Positive	transport of molecule	8.92E-15	433	
Mammary	Corn					
gland	stover	Positive	malignant solid tumor	2.50E-14	2277	
Mammary	Corn					
gland	stover	Positive	organization of cytoplasm	9.96E-14	410	
Mammary	Corn					
gland	stover	Positive	migration of cells	1.43E-13	492	
Mammary	Corn					
gland	stover	Positive	Viral Infection	6.83E-13	424	
Mammary	Corn					
gland	stover	Positive	cellular homeostasis	1.41E-12	402	
Mammary	Corn					
gland	stover	Positive	angiogenesis	1.45E-12	260	
Mammary	Corn					
gland	stover	Positive	development of body trunk	5.45E-12	307	
Mammary	Corn					
gland	stover	Positive	organization of cytoskeleton	1.82E-11	368	
Mammary	Corn					
gland	stover	Positive	vasculogenesis	9.78E-11	212	
Mammary	Corn					
gland	stover	Positive	differentiation of cells	1.41E-10	551	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of cells	1.66E-10	334	
Mammary	Corn	Positive	expression of RNA	3.59E-10	526	

gland	stover					
Mammary	Corn					
gland	stover	Positive	morphology of cardiovascular system	3.72E-10	181	
Mammary	Corn					
gland	stover	Positive	formation of cellular protrusions	3.72E-10	249	
Mammary	Corn					
gland	stover	Positive	abdominal neoplasm	4.74E-10	1878	
Mammary	Corn					
gland	stover	Positive	perinatal death	1.07E-09	173	
Mammary	Corn					
gland	stover	Positive	abdominal cancer	1.07E-09	1855	
Mammary	Corn					
gland	stover	Positive	tumorigenesis of tissue	1.16E-09	1917	
Mammary	Corn					
gland	stover	Positive	microtubule dynamics	1.19E-09	311	
Mammary	Corn					
gland	stover	Positive	neoplasia of epithelial tissue	1.46E-09	1887	
Mammary	Corn					
gland	stover	Positive	cell movement of tumor cell lines	1.57E-09	234	
Mammary	Corn					
gland	stover	Positive	cell death of tumor cell lines	4.62E-09	384	
Mammary	Corn					
gland	stover	Positive	epithelial cancer	5.13E-09	1866	
Mammary	Corn					
gland	stover	Positive	transcription	6.22E-09	485	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of cardiovascular system	7.97E-09	163	
Mammary	Corn					
gland	stover	Positive	transcription of RNA	1.03E-08	454	
Mammary	Corn					
gland	stover	Positive	digestive system cancer	1.66E-08	1611	
Mammary	Corn					
gland	stover	Positive	apoptosis of tumor cell lines	1.72E-08	311	
Mammary	Corn					
gland	stover	Positive	replication of virus	1.85E-08	160	
Mammary	Corn					
gland	stover	Positive	digestive organ tumor	2.07E-08	1624	
Mammary	Corn					
gland	stover	Positive	size of body	2.93E-08	228	
Mammary	Corn					
gland	stover	Positive	concentration of lipid	4.20E-08	218	
Mammary	Corn					
gland	stover	Positive	replication of RNA virus	4.58E-08	145	
Mammary	Corn	Positive	necrosis of epithelial tissue	4.68E-08	165	

gland	stover				
Mammary	Corn				
gland	stover	Positive	proliferation of connective tissue cells	4.68E-08	166
Mammary	Corn				
gland	stover	Positive	quantity of cells	5.10E-08	430
Mammary	Corn				
gland	stover	Positive	autophagy of cells	5.41E-08	84
Mammary	Corn				
gland	stover	Positive	autophagy	5.41E-08	112
Mammary	Corn				
gland	stover	Positive	autosomal recessive disease	8.08E-08	242
Mammary	Corn				
gland	stover	Positive	cell death of connective tissue cells	9.75E-08	167
Mammary	Corn				
gland	stover	Positive	transactivation	1.01E-07	161
Mammary	Corn				
gland	stover	Positive	development of vasculature	1.01E-07	122
Mammary	Corn				
gland	stover	Positive	dyskinesia	1.14E-07	170
Mammary	Corn				
gland	stover	Positive	growth of organism	1.47E-07	221
Mammary	Corn				
gland	stover	Positive	morphology of heart	1.70E-07	118
Mammary	Corn				
gland	stover	Positive	neurological signs	2.16E-07	177
Mammary	Corn				
gland	stover	Positive	Movement Disorders	3.04E-07	270
Mammary	Corn				
gland	stover	Positive	morphology of body cavity	4.83E-07	299
Mammary	Corn				
gland	stover	Positive	abnormal morphology of thoracic cavity	5.36E-07	160
Mammary	Corn				
gland	stover	Positive	Huntington's Disease	5.76E-07	157
Mammary	Corn				
gland	stover	Positive	cell death of epithelial cells	7.12E-07	138
Mammary	Corn				
gland	stover	Positive	Organ Degeneration	7.68E-07	137
Mammary	Corn				
gland	stover	Positive	organization of organelle	7.77E-07	148
Mammary	Corn				
gland	stover	Positive	migration of tumor cell lines	9.90E-07	187
Mammary	Corn				
gland	stover	Positive	growth of connective tissue	1.22E-06	172
Mammary	Corn	Positive	cardiogenesis	1.25E-06	131

gland	stover					
Mammary	Corn					
gland	stover	Positive	ubiquitination	1.25E-06	98	
Mammary	Corn					
gland	stover	Positive	transactivation of RNA	1.32E-06	148	
Mammary	Corn					
gland	stover	Positive	quantity of connective tissue	1.32E-06	162	
Mammary	Corn					
gland	stover	Positive	morphology of nervous system	1.38E-06	204	
Mammary	Corn					
gland	stover	Positive	fibrogenesis	1.41E-06	116	
Mammary	Corn					
gland	stover	Positive	seizures	1.42E-06	113	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of body cavity	1.63E-06	284	
Mammary	Corn					
gland	stover	Positive	cell death of epithelial cell lines	1.66E-06	84	
Mammary	Corn					
gland	stover	Positive	ubiquitination of protein	1.94E-06	96	
Mammary	Corn					
gland	stover	Positive	morphology of head	2.13E-06	224	
Mammary	Corn					
gland	stover	Positive	function of cardiovascular system	2.28E-06	105	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of nervous system	2.58E-06	189	
Mammary	Corn					
gland	stover	Positive	development of cytoplasm	2.87E-06	127	
Mammary	Corn					
gland	stover	Positive	protein kinase cascade	3.24E-06	117	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of head	3.46E-06	213	
Mammary	Corn					
gland	stover	Positive	transcription of DNA	3.66E-06	367	
Mammary	Corn					
gland	stover	Positive	formation of filaments	3.75E-06	111	
Mammary	Corn					
gland	stover	Positive	behavior	3.77E-06	248	
Mammary	Corn					
gland	stover	Positive	cell viability	3.85E-06	316	
Mammary	Corn					
gland	stover	Positive	invasion of cells	3.93E-06	221	
Mammary	Corn					
gland	stover	Positive	proliferation of fibroblast cell lines	4.17E-06	117	
Mammary	Corn	Positive	seizure disorder	4.42E-06	128	

gland	stover				
Mammary	Corn				
gland	stover	Positive	morphology of heart ventricle	4.61E-06	60
Mammary	Corn				
gland	stover	Positive	proliferation of neuronal cells	4.61E-06	153
Mammary	Corn				
gland	stover	Positive	abnormal morphology of heart	4.82E-06	107
Mammary	Corn				
gland	stover	Positive	cell death of embryonic cell lines	4.82E-06	72
Mammary	Corn				
gland	stover	Positive	infection by Retroviridae	5.12E-06	186
Mammary	Corn				
gland	stover	Positive	formation of cytoskeleton	5.55E-06	105
Mammary	Corn				
gland	stover	Positive	metabolism of carbohydrate	5.81E-06	163
Mammary	Corn				
gland	stover	Positive	formation of plasma membrane projections	6.62E-06	157
Mammary	Corn				
gland	stover	Positive	development of abdomen	6.75E-06	153
Mammary	Corn				
gland	stover	Positive	proliferation of fibroblasts	6.95E-06	99
Mammary	Corn				
gland	stover	Positive	development of digestive system	8.65E-06	106
Mammary	Corn				
gland	stover	Positive	long-term potentiation of synapse	8.96E-06	48
Mammary	Corn				
gland	stover	Positive	neuronal cell death	9.02E-06	176
Mammary	Corn				
gland	stover	Positive	neuritogenesis	1.00E-05	153
Mammary	Corn				
gland	stover	Positive	infection by lentivirus	1.17E-05	183
Mammary	Corn				
gland	stover	Positive	abnormal morphology of respiratory system	1.18E-05	87
Mammary	Corn				
gland	stover	Positive	morphology of respiratory system	1.23E-05	88
Mammary	Corn				
gland	stover	Positive	neuromuscular disease	1.23E-05	221
Mammary	Corn				
gland	stover	Positive	branching of cells	1.27E-05	102
Mammary	Corn				
gland	stover	Positive	cell survival	1.34E-05	332
Mammary	Corn				
gland	stover	Positive	abnormal morphology of reproductive system	1.34E-05	135
Mammary	Corn	Positive	cognition	1.39E-05	122

gland	stover					
Mammary	Corn					
gland	stover	Positive	HIV infection	1.39E-05	182	
Mammary	Corn					
gland	stover	Positive	morphology of reproductive system	1.41E-05	141	
Mammary	Corn					
gland	stover	Positive	infection of embryonic cell lines	1.48E-05	79	
Mammary	Corn					
gland	stover	Positive	infection of epithelial cell lines	1.48E-05	79	
Mammary	Corn					
gland	stover	Positive	development of lymphatic system component	1.56E-05	87	
Mammary	Corn					
gland	stover	Positive	cell death of cervical cancer cell lines	1.61E-05	97	
Mammary	Corn					
gland	stover	Positive	congenital anomaly of musculoskeletal system	1.63E-05	187	
Mammary	Corn					
gland	stover	Positive	growth of embryo	1.64E-05	127	
Mammary	Corn					
gland	stover	Positive	synthesis of lipid	1.64E-05	182	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of heart ventricle	1.67E-05	54	
Mammary	Corn					
gland	stover	Positive	neonatal death	1.67E-05	118	
Mammary	Corn					
gland	stover	Positive	autophagy of tumor cell lines	1.67E-05	47	
Mammary	Corn					
gland	stover	Positive	function of leukocytes	1.69E-05	141	
Mammary	Corn					
gland	stover	Positive	Hypertrophy	1.71E-05	126	
Mammary	Corn					
gland	stover	Positive	cell death of fibroblast cell lines	1.74E-05	115	
Mammary	Corn					
gland	stover	Positive	development of neurons	1.89E-05	197	
Mammary	Corn					
gland	stover	Positive	development of lymphatic system	1.91E-05	98	
Mammary	Corn					
gland	stover	Positive	function of blood cells	2.09E-05	152	
Mammary	Corn					
gland	stover	Positive	apoptosis of connective tissue cells	2.46E-05	83	
Mammary	Corn					
gland	stover	Positive	learning	2.71E-05	112	
Mammary	Corn					
gland	stover	Positive	differentiation of muscle cell lines	2.83E-05	50	
Mammary	Corn	Positive	formation of lung	2.87E-05	84	

gland	stover				
Mammary	Corn				
gland	stover	Positive	apoptosis of neuroblastoma cell lines	2.90E-05	40
Mammary	Corn				
gland	stover	Positive	long-term potentiation	3.08E-05	70
Mammary	Corn				
gland	stover	Positive	differentiation of connective tissue cells	3.20E-05	164
Mammary	Corn				
gland	stover	Positive	proliferation of tumor cell lines	3.20E-05	362
Mammary	Corn				
gland	stover	Positive	necrosis of kidney	3.20E-05	99
Mammary	Corn				
gland	stover	Positive	formation of lymphoid organ	3.23E-05	75
Mammary	Corn				
gland	stover	Positive	quantity of blood cells	3.24E-05	250
Mammary	Corn				
gland	stover	Positive	abnormal morphology of embryonic tissue	3.27E-05	142
Mammary	Corn				
gland	stover	Positive	epileptic seizure	3.76E-05	51
Mammary	Corn				
gland	stover	Positive	apoptosis of fibroblast cell lines	3.80E-05	90
Mammary	Corn				
gland	stover	Positive	quantity of leukocytes	3.80E-05	225
Mammary	Corn				
gland	stover	Positive	growth of epithelial tissue	3.83E-05	172
Mammary	Corn				
gland	stover	Positive	cell death of kidney cells	3.85E-05	95
Mammary	Corn				
gland	stover	Positive	infection by RNA virus	3.92E-05	214
Mammary	Corn				
gland	stover	Positive	abnormal morphology of internal genitalia	4.25E-05	95
Mammary	Corn				
gland	stover	Positive	hypertrophy of heart	4.37E-05	92
Mammary	Corn				
gland	stover	Positive	Growth Failure	4.43E-05	153
Mammary	Corn				
gland	stover	Positive	cell movement of muscle cells	4.63E-05	54
Mammary	Corn				
gland	stover	Positive	formation of lymphatic system component	4.65E-05	81
Mammary	Corn				
gland	stover	Positive	abnormal morphology of epithelial tissue	4.69E-05	111
Mammary	Corn				
gland	stover	Positive	infection of kidney cell lines	4.74E-05	79
Mammary	Corn	Positive	necrosis of muscle	4.83E-05	93

gland	stover				
Mammary	Corn				
gland	stover	Positive	apoptosis of heart cells	4.91E-05	56
Mammary	Corn				
gland	stover	Positive	cell death of muscle cells	5.67E-05	91
Mammary	Corn				
gland	stover	Positive	size of embryo	5.67E-05	96
Mammary	Corn				
gland	stover	Positive	uptake of monosaccharide	6.26E-05	75
Mammary	Corn				
gland	stover	Positive	apoptosis of epithelial cell lines	6.79E-05	64
Mammary	Corn				
gland	stover	Positive	cell death of kidney cell lines	6.85E-05	83
Mammary	Corn				
gland	stover	Positive	dephosphorylation of protein	6.85E-05	55
Mammary	Corn				
gland	stover	Positive	infection of cells	6.85E-05	197
Mammary	Corn				
gland	stover	Positive	metabolism of monosaccharide	6.96E-05	39
Mammary	Corn				
gland	stover	Positive	morphology of blood vessel	7.00E-05	78
Mammary	Corn				
gland	stover	Positive	disorder of basal ganglia	7.03E-05	190
Mammary	Corn				
gland	stover	Positive	respiratory system development	7.66E-05	92
Mammary	Corn				
gland	stover	Positive	concentration of fatty acid	8.44E-05	77
Mammary	Corn				
gland	stover	Positive	abnormal morphology of abdomen	8.45E-05	214
Mammary	Corn				
gland	stover	Positive	abnormal morphology of digestive system	8.45E-05	139
Mammary	Corn				
gland	stover	Positive	morphology of testis	8.57E-05	75
Mammary	Corn				
gland	stover	Positive	attachment of cells	8.68E-05	42
Mammary	Corn				
gland	stover	Positive	Bleeding	9.08E-05	111
Mammary	Corn				
gland	stover	Positive	congenital heart disease	9.23E-05	60
Mammary	Corn				
gland	stover	Positive	cell cycle progression	9.23E-05	251
Mammary	Corn				
gland	stover	Positive	limb development	9.56E-05	66
Mammary	Corn	Positive	replication of Influenza virus	9.85E-05	79

gland	stover					
Mammary	Corn					
gland	stover	Positive	mass of adipose tissue	1.01E-04	55	
Mammary	Corn					
gland	stover	Positive	ruffling	1.05E-04	35	
Mammary	Corn					
gland	stover	Positive	dendritic growth/branching	1.06E-04	62	
Mammary	Corn					
gland	stover	Positive	cell death of fibroblasts	1.07E-04	73	
Mammary	Corn					
gland	stover	Positive	migration of muscle cells	1.07E-04	49	
Mammary	Corn					
gland	stover	Positive	urination disorder	1.07E-04	79	
Mammary	Corn					
gland	stover	Positive	apoptosis of embryonic cell lines	1.08E-04	53	
Mammary	Corn					
gland	stover	Positive	cell movement of smooth muscle cells	1.09E-04	48	
Mammary	Corn					
gland	stover	Positive	metabolism of membrane lipid derivative	1.09E-04	102	
Mammary	Corn					
gland	stover	Positive	morphology of connective tissue	1.09E-04	119	
Mammary	Corn					
gland	stover	Positive	apoptosis of cervical cancer cell lines	1.09E-04	77	
Mammary	Corn					
gland	stover	Positive	proliferation of muscle cells	1.14E-04	98	
Mammary	Corn					
gland	stover	Positive	cell death of heart	1.17E-04	64	
Mammary	Corn					
gland	stover	Positive	serous neoplasm	1.22E-04	153	
Mammary	Corn					
gland	stover	Positive	cell death of heart cells	1.32E-04	62	
Mammary	Corn					
gland	stover	Positive	development of gastrointestinal tract	1.41E-04	72	
Mammary	Corn					
gland	stover	Positive	cell movement of fibroblasts	1.41E-04	53	
Mammary	Corn					
gland	stover	Positive	morphology of genital organ	1.42E-04	110	
Mammary	Corn					
gland	stover	Positive	proteinuria	1.46E-04	48	
Mammary	Corn					
gland	stover	Positive	organization of actin cytoskeleton	1.51E-04	81	
Mammary	Corn					
gland	stover	Positive	sprouting	1.51E-04	101	
Mammary	Corn	Positive	development of head	1.61E-04	235	

gland	stover					
Mammary	Corn					
gland	stover	Positive	small GTPase mediated signal transduction	1.61E-04	53	
Mammary	Corn					
gland	stover	Positive	secretion of molecule	1.61E-04	139	
Mammary	Corn					
gland	stover	Positive	apoptosis of kidney cell lines	1.64E-04	66	
Mammary	Corn					
gland	stover	Positive	multiple congenital anomalies	1.80E-04	109	
Mammary	Corn					
gland	stover	Positive	development of body axis	1.80E-04	250	
Mammary	Corn					
gland	stover	Positive	mass of fat pad	1.80E-04	35	
Mammary	Corn					
gland	stover	Positive	differentiation of connective tissue	1.81E-04	179	
Mammary	Corn					
gland	stover	Positive	apoptosis of cardiomyocytes	1.81E-04	53	
Mammary	Corn					
gland	stover	Positive	apoptosis of muscle cells	1.81E-04	71	
Mammary	Corn					
gland	stover	Positive	transport of alpha-amino acid	1.81E-04	25	
Mammary	Corn					
gland	stover	Positive	congenital anomaly of digestive system	1.83E-04	64	
Mammary	Corn					
gland	stover	Positive	growth of lesion	1.88E-04	194	
Mammary	Corn					
gland	stover	Positive	autosomal dominant disease	1.94E-04	158	
Mammary	Corn					
gland	stover	Positive	morphology of digestive system	1.94E-04	143	
Mammary	Corn					
gland	stover	Positive	transport of metal	2.04E-04	88	
Mammary	Corn					
gland	stover	Positive	uptake of D-hexose	2.06E-04	62	
Mammary	Corn					
gland	stover	Positive	midline defect	2.07E-04	72	
Mammary	Corn					
gland	stover	Positive	transport of carbohydrate	2.10E-04	55	
Mammary	Corn					
gland	stover	Positive	migration of smooth muscle cells	2.10E-04	44	
Mammary	Corn					
gland	stover	Positive	congenital anomaly of cardiovascular system	2.15E-04	63	
Mammary	Corn					
gland	stover	Positive	replication of Influenza A virus	2.15E-04	77	
Mammary	Corn	Positive	activation of neuroglia	2.20E-04	40	

gland	stover				
Mammary	Corn				
gland	stover	Positive	transport of cation	2.20E-04	104
Mammary	Corn				
gland	stover	Positive	growth of tumor	2.35E-04	193
Mammary	Corn				
gland	stover	Positive	formation of actin filaments	2.36E-04	81
Mammary	Corn				
gland	stover	Positive	development of epithelial tissue	2.47E-04	130
Mammary	Corn				
gland	stover	Positive	function of muscle	2.47E-04	91
Mammary	Corn				
gland	stover	Positive	transport of inorganic cation	2.49E-04	92
Mammary	Corn				
gland	stover	Positive	hepatic steatosis	2.49E-04	72
Mammary	Corn				
gland	stover	Positive	quantity of cytokine	2.49E-04	69
Mammary	Corn				
gland	stover	Positive	development of cardiovascular tissue	2.53E-04	96
Mammary	Corn				
gland	stover	Positive	abnormal morphology of genital organ	2.54E-04	105
Mammary	Corn				
gland	stover	Positive	cognitive impairment	2.54E-04	87
Mammary	Corn				
gland	stover	Positive	infection by HIV-1	2.56E-04	151
Mammary	Corn				
gland	stover	Positive	cell transformation	2.56E-04	117
Mammary	Corn				
gland	stover	Positive	uptake of D-glucose	2.66E-04	61
Mammary	Corn				
gland	stover	Positive	length of cells	2.69E-04	32
Mammary	Corn				
gland	stover	Positive	phosphorylation of protein	2.69E-04	179
Mammary	Corn				
gland	stover	Positive	breast or ovarian cancer	2.69E-04	432
Mammary	Corn				
gland	stover	Positive	morphology of brain	2.71E-04	118
Mammary	Corn				
gland	stover	Positive	transport of ion	2.84E-04	127
Mammary	Corn				
gland	stover	Positive	formation of thymus gland	2.86E-04	47
Mammary	Corn				
gland	stover	Positive	congenital malformation of skeleton	2.89E-04	108
Mammary	Corn	Positive	development of connective tissue	2.90E-04	96

gland	stover					
Mammary	Corn					
gland	stover	Positive	cell movement of sarcoma cell lines	2.90E-04	30	
Mammary	Corn					
gland	stover	Positive	growth of neurites	2.90E-04	117	
Mammary	Corn					
gland	stover	Positive	formation of muscle	2.90E-04	102	
Mammary	Corn					
gland	stover	Positive	formation of leukocytes	2.90E-04	46	
Mammary	Corn					
gland	stover	Positive	differentiation of muscle	2.90E-04	80	
Mammary	Corn					
gland	stover	Positive	proliferation of smooth muscle cells	2.93E-04	76	
Mammary	Corn					
gland	stover	Positive	morphology of vessel	2.94E-04	81	
Mammary	Corn					
gland	stover	Positive	invasion of tumor cell lines	2.95E-04	163	
Mammary	Corn					
gland	stover	Positive	mass of connective tissue	3.05E-04	56	
Mammary	Corn					
gland	stover	Positive	necrosis of cardiac muscle	3.05E-04	60	
Mammary	Corn					
gland	stover	Positive	biosynthesis of purine ribonucleotide	3.15E-04	32	
Mammary	Corn					
gland	stover	Positive	cell movement of connective tissue cells	3.21E-04	61	
Mammary	Corn					
gland	stover	Positive	cell death of cardiomyocytes	3.24E-04	59	
Mammary	Corn					
gland	stover	Positive	uptake of carbohydrate	3.26E-04	77	
Mammary	Corn					
gland	stover	Positive	differentiation of epithelial tissue	3.29E-04	93	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of testis	3.31E-04	70	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of blood vessel	3.41E-04	71	
Mammary	Corn					
gland	stover	Positive	morphology of lymphatic system component	3.54E-04	106	
Mammary	Corn					
gland	stover	Positive	morphology of central nervous system	3.82E-04	128	
Mammary	Corn					
gland	stover	Positive	metabolism of nucleoside triphosphate	3.84E-04	41	
Mammary	Corn					
gland	stover	Positive	biosynthesis of nucleoside triphosphate	3.90E-04	33	
Mammary	Corn	Positive	mass of heart	3.90E-04	40	

gland	stover					
Mammary	Corn					
gland	stover	Positive	syndromic mental retardation	3.93E-04	45	
Mammary	Corn					
gland	stover	Positive	homing of cells	3.94E-04	138	
Mammary	Corn					
gland	stover	Positive	quantity of carbohydrate	3.97E-04	129	
Mammary	Corn					
gland	stover	Positive	cell viability of pheochromocytoma cell lines	3.97E-04	16	
Mammary	Corn					
gland	stover	Positive	quantity of epithelial tissue	4.14E-04	50	
Mammary	Corn					
gland	stover	Positive	interphase	4.15E-04	160	
Mammary	Corn					
gland	stover	Positive	morphogenesis of neurites	4.44E-04	106	
Mammary	Corn					
gland	stover	Positive	cell viability of tumor cell lines	4.54E-04	187	
Mammary	Corn					
gland	stover	Positive	endothelial cell development	4.54E-04	91	
Mammary	Corn					
gland	stover	Positive	length of neurons	4.62E-04	28	
Mammary	Corn					
gland	stover	Positive	transport of metal ion	4.68E-04	83	
Mammary	Corn					
gland	stover	Positive	formation of filopodia	4.75E-04	47	
Mammary	Corn					
gland	stover	Positive	benign neoplasia	4.77E-04	219	
Mammary	Corn					
gland	stover	Positive	cell spreading	4.78E-04	73	
Mammary	Corn					
gland	stover	Positive	mental retardation	4.79E-04	63	
Mammary	Corn					
gland	stover	Positive	activation of DNA endogenous promoter	4.86E-04	280	
Mammary	Corn					
gland	stover	Positive	development of urinary tract	4.96E-04	75	
Mammary	Corn					
gland	stover	Positive	quantity of protein in blood	5.01E-04	126	
Mammary	Corn					
gland	stover	Positive	homing	5.03E-04	141	
Mammary	Corn					
gland	stover	Positive	differentiation of muscle cells	5.36E-04	74	
Mammary	Corn					
gland	stover	Positive	morphology of lung	5.38E-04	52	
Mammary	Corn	Positive	MAPKKK cascade	5.39E-04	56	

gland	stover				
Mammary	Corn				
gland	stover	Positive	morphogenesis of neurons	5.40E-04	107
Mammary	Corn				
gland	stover	Positive	hypertrophy of tissue	5.64E-04	68
Mammary	Corn				
gland	stover	Positive	formation of cardiac muscle	5.93E-04	29
Mammary	Corn				
gland	stover	Positive	degeneration of nervous system	5.99E-04	75
Mammary	Corn				
gland	stover	Positive	chemotaxis of cells	6.13E-04	130
Mammary	Corn				
gland	stover	Positive	formation of actin stress fibers	6.13E-04	64
Mammary	Corn				
gland	stover	Positive	morphology of gonad	6.19E-04	96
Mammary	Corn				
gland	stover	Positive	cell death of neuroblastoma cell lines	6.46E-04	53
Mammary	Corn				
gland	stover	Positive	formation of thymocytes	6.46E-04	32
Mammary	Corn				
gland	stover	Positive	development of endothelial tissue	6.76E-04	93
Mammary	Corn				
gland	stover	Positive	migration of connective tissue cells	6.79E-04	50
Mammary	Corn				
gland	stover	Positive	formation of kidney	6.97E-04	73
Mammary	Corn				
gland	stover	Positive	abnormal morphology of bone	7.13E-04	109
Mammary	Corn				
gland	stover	Positive	activation of enzyme	7.19E-04	98
Mammary	Corn				
gland	stover	Positive	morphology of bone	7.40E-04	112
Mammary	Corn				
gland	stover	Positive	differentiation of embryonic tissue	7.40E-04	67
Mammary	Corn				
gland	stover	Positive	modification of peptide	7.75E-04	32
Mammary	Corn				
gland	stover	Positive	migration of breast cancer cell lines	7.76E-04	65
Mammary	Corn				
gland	stover	Positive	phosphorylation of L-amino acid	7.76E-04	59
Mammary	Corn				
gland	stover	Positive	cell movement of breast cancer cell lines	7.85E-04	75
Mammary	Corn				
gland	stover	Positive	quantity of IL-6 in blood	7.93E-04	27
Mammary	Corn	Positive	abnormal morphology of right ventricle	7.94E-04	18

gland	stover					
Mammary	Corn					
gland	stover	Positive	congenital malformation of face	8.36E-04	43	
Mammary	Corn					
gland	stover	Positive	quantity of subcutaneous fat	8.58E-04	21	
Mammary	Corn					
gland	stover	Positive	morphology of intercellular junctions	8.69E-04	29	
Mammary	Corn					
gland	stover	Positive	chemotaxis	8.98E-04	133	
Mammary	Corn					
gland	stover	Positive	mitosis	8.98E-04	122	
Mammary	Corn					
gland	stover	Positive	cell death of hepatoma cell lines	8.98E-04	47	
Mammary	Corn					
gland	stover	Positive	development of blood cells	9.14E-04	157	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of gonad	9.19E-04	92	
Mammary	Corn					
gland	stover	Positive	neoplasia of cells	9.23E-04	110	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of central nervous system	9.35E-04	119	
Mammary	Corn					
gland	stover	Positive	outgrowth of neurites	9.38E-04	101	
Mammary	Corn					
gland	stover	Positive	activation of cells	9.55E-04	228	
Mammary	Corn					
gland	stover	Positive	morphology of left ventricle	9.62E-04	27	
Mammary	Corn					
gland	stover	Positive	quantity of steroid	9.88E-04	115	
Mammary	Corn					
gland	stover	Positive	accumulation of cells	9.93E-04	89	
Mammary	Corn					
gland	stover	Positive	quantity of mononuclear leukocytes	1.00E-03	175	
Mammary	Corn					
gland	stover	Positive	apoptosis of fibroblasts	1.02E-03	58	
Mammary	Corn					
gland	stover	Positive	permeability of blood vessel	1.03E-03	29	
Mammary	Corn					
gland	stover	Positive	serine phosphorylation	1.03E-03	29	
Mammary	Corn					
gland	stover	Positive	cell death of pheochromocytoma cell lines	1.05E-03	35	
Mammary	Corn					
gland	stover	Positive	morphology of muscle	1.07E-03	85	
Mammary	Corn	Positive	metabolism of hexose	1.07E-03	32	

gland	stover				
Mammary	Corn				
gland	stover	Positive	quantity of mitochondria	1.10E-03	17
Mammary	Corn				
gland	stover	Positive	abnormal morphology of left ventricle	1.11E-03	26
Mammary	Corn				
gland	stover	Positive	organization of filaments	1.11E-03	55
Mammary	Corn				
gland	stover	Positive	abnormal morphology of brain	1.12E-03	110
Mammary	Corn				
gland	stover	Positive	proliferation of embryonic cells	1.12E-03	65
Mammary	Corn				
gland	stover	Positive	development of striated muscle	1.14E-03	49
Mammary	Corn				
gland	stover	Positive	cell movement of endothelial cells	1.14E-03	89
Mammary	Corn				
gland	stover	Positive	endocytosis	1.15E-03	87
Mammary	Corn				
gland	stover	Positive	development of leukocytes	1.17E-03	142
Mammary	Corn				
gland	stover	Positive	development of mononuclear leukocytes	1.21E-03	135
Mammary	Corn				
gland	stover	Positive	differentiation of smooth muscle	1.22E-03	22
Mammary	Corn				
gland	stover	Positive	abnormal morphology of skeleton	1.23E-03	70
Mammary	Corn				
gland	stover	Positive	development of lymphocytes	1.23E-03	134
Mammary	Corn				
gland	stover	Positive	abnormal morphology of skull	1.23E-03	58
Mammary	Corn				
gland	stover	Positive	invasion of carcinoma cell lines	1.24E-03	53
Mammary	Corn				
gland	stover	Positive	metabolism of sphingolipid	1.24E-03	39
Mammary	Corn				
gland	stover	Positive	leukocyte migration	1.26E-03	204
Mammary	Corn				
gland	stover	Positive	hypertrophy of cells	1.28E-03	74
Mammary	Corn				
gland	stover	Positive	quantity of lymphocytes	1.29E-03	168
Mammary	Corn				
gland	stover	Positive	vascularization of bone	1.30E-03	7
Mammary	Corn				
gland	stover	Positive	quantity of cellular protrusions	1.30E-03	44
Mammary	Corn	Positive	fertility	1.30E-03	91

gland	stover					
Mammary	Corn					
gland	stover	Positive	weight gain	1.31E-03	79	
Mammary	Corn					
gland	stover	Positive	congenital anomaly of gastrointestinal tract	1.32E-03	46	
Mammary	Corn					
gland	stover	Positive	function of mononuclear leukocytes	1.32E-03	86	
Mammary	Corn					
gland	stover	Positive	synthesis of ceramide	1.32E-03	23	
Mammary	Corn					
gland	stover	Positive	synthesis of nitric oxide	1.33E-03	71	
Mammary	Corn					
gland	stover	Positive	metabolism of glycosphingolipid	1.34E-03	36	
Mammary	Corn					
gland	stover	Positive	migration of fibroblasts	1.35E-03	40	
Mammary	Corn					
gland	stover	Positive	craniofacial abnormality	1.41E-03	89	
Mammary	Corn					
gland	stover	Positive	apoptosis of hepatoma cell lines	1.42E-03	42	
Mammary	Corn					
gland	stover	Positive	mass of organism	1.42E-03	84	
Mammary	Corn					
gland	stover	Positive	cell movement of fibrosarcoma cell lines	1.43E-03	17	
Mammary	Corn					
gland	stover	Positive	function of endothelial cells	1.43E-03	17	
Mammary	Corn					
gland	stover	Positive	damage of epithelial tissue	1.44E-03	31	
Mammary	Corn					
gland	stover	Positive	branching of neurites	1.44E-03	71	
Mammary	Corn					
gland	stover	Positive	apoptosis of neurons	1.46E-03	107	
Mammary	Corn					
gland	stover	Positive	branching of neurons	1.47E-03	73	
Mammary	Corn					
gland	stover	Positive	muscular hypertrophy	1.59E-03	54	
Mammary	Corn					
gland	stover	Positive	serine phosphorylation of peptide	1.59E-03	26	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of epiblast	1.60E-03	10	
Mammary	Corn					
gland	stover	Positive	cell death of brain	1.62E-03	74	
Mammary	Corn					
gland	stover	Positive	stage 2-3 breast cancer	1.63E-03	23	
Mammary	Corn	Positive	morphology of right ventricle	1.63E-03	19	

gland	stover					
Mammary	Corn					
gland	stover	Positive	size of animal	1.66E-03	48	
Mammary	Corn					
gland	stover	Positive	cellularity	1.68E-03	21	
Mammary	Corn					
gland	stover	Positive	transport of L-amino acid	1.68E-03	21	
Mammary	Corn					
gland	stover	Positive	apoptosis of embryonic cells	1.68E-03	29	
Mammary	Corn					
gland	stover	Positive	antiviral response of fibroblast cell lines	1.70E-03	8	
Mammary	Corn					
gland	stover	Positive	estrous cycle	1.74E-03	24	
Mammary	Corn					
gland	stover	Positive	concentration of phospholipid	1.74E-03	49	
Mammary	Corn					
gland	stover	Positive	morphology of vertebral column	1.74E-03	40	
Mammary	Corn					
gland	stover	Positive	function of lymphocytes	1.77E-03	85	
Mammary	Corn					
gland	stover	Positive	accumulation of sterol	1.86E-03	22	
Mammary	Corn					
gland	stover	Positive	morphology of skeleton	1.87E-03	71	
Mammary	Corn					
gland	stover	Positive	formation of pulmonary alveolus	1.88E-03	20	
Mammary	Corn					
gland	stover	Positive	morphology of limb	1.88E-03	60	
Mammary	Corn					
gland	stover	Positive	colony formation of cells	1.88E-03	119	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of enlarged heart	1.89E-03	26	
Mammary	Corn					
gland	stover	Positive	morphology of fibroblast cell lines	1.89E-03	26	
Mammary	Corn					
gland	stover	Positive	growth of lymphatic system component	1.90E-03	51	
Mammary	Corn					
gland	stover	Positive	cell viability of lung cancer cell lines	1.90E-03	33	
Mammary	Corn					
gland	stover	Positive	metabolism of D-glucose	1.93E-03	27	
Mammary	Corn					
gland	stover	Positive	function of vascular endothelial cells	2.01E-03	14	
Mammary	Corn					
gland	stover	Positive	differentiation of embryonic cells	2.02E-03	59	
Mammary	Corn	Positive	fatty acid metabolism	2.02E-03	143	

gland	stover					
Mammary	Corn					
gland	stover	Positive	shape change of neurites	2.02E-03	72	
Mammary	Corn					
gland	stover	Positive	proliferation of vascular smooth muscle cells	2.03E-03	42	
Mammary	Corn					
gland	stover	Positive	gonadal tumor	2.07E-03	191	
Mammary	Corn					
gland	stover	Positive	cell viability of muscle cells	2.08E-03	21	
Mammary	Corn					
gland	stover	Positive	release of L-amino acid	2.21E-03	25	
Mammary	Corn					
gland	stover	Positive	apoptosis of epithelial cells	2.21E-03	72	
Mammary	Corn					
gland	stover	Positive	cell death of embryonic cells	2.21E-03	33	
Mammary	Corn					
gland	stover	Positive	formation of T lymphocytes	2.21E-03	33	
Mammary	Corn					
gland	stover	Positive	epilepsy	2.24E-03	77	
Mammary	Corn					
gland	stover	Positive	migration of macrophages	2.31E-03	27	
Mammary	Corn					
gland	stover	Positive	congenital anomaly of mouth	2.33E-03	44	
Mammary	Corn					
gland	stover	Positive	glandular intraepithelial neoplasm	2.43E-03	35	
Mammary	Corn					
gland	stover	Positive	neoplasia of tumor cell lines	2.43E-03	79	
Mammary	Corn					
gland	stover	Positive	abnormal morphology of limb	2.44E-03	59	
Mammary	Corn					
gland	stover	Positive	survival of organism	2.44E-03	165	
Mammary	Corn					
gland	stover	Positive	quantity of reactive oxygen species	2.44E-03	47	
Mammary	Corn					
gland	stover	Positive	Lymphocyte homeostasis	2.56E-03	130	
Mammary	Corn					
gland	stover	Positive	Edema	2.56E-03	85	
Mammary	Corn					
gland	stover	Positive	degranulation of mast cells	2.57E-03	37	
Mammary	Corn					
gland	stover	Positive	long-term memory	2.60E-03	21	
Mammary	Corn					
gland	stover	Positive	bleeding of tissue	2.64E-03	19	
Mammary	Corn	Positive	proliferation of blood cells	2.66E-03	195	

gland	stover				
Mammary	Corn				
gland	stover	Positive	mammary tumor	2.67E-03	364
Mammary	Corn				
gland	stover	Positive	function of T lymphocytes	2.71E-03	66
Mammary	Corn				
gland	stover	Positive	activation of microglia	2.72E-03	30
Mammary	Corn				
gland	stover	Positive	homeostasis of leukocytes	2.72E-03	132
Mammary	Corn				
gland	stover	Positive	metabolism of glycolipid	2.73E-03	41
Mammary	Corn				
gland	stover	Positive	apoptosis of pheochromocytoma cell lines	2.73E-03	27
Mammary	Corn				
gland	stover	Positive	release of amino acids	2.74E-03	28
Mammary	Corn				
gland	stover	Positive	Thrombosis	2.74E-03	45
Mammary	Corn				
gland	stover	Positive	formation of cells	2.76E-03	225
Mammary	Corn				
gland	stover	Positive	TNM stage III breast cancer	2.77E-03	22
Mammary	Corn				
gland	stover	Positive	synthesis of nucleotide	2.82E-03	89
Mammary	Corn				
gland	stover	Positive	abnormal morphology of lung	2.82E-03	48
Mammary	Corn				
gland	stover	Positive	invasion of tissue	2.85E-03	51
Mammary	Corn				
gland	stover	Positive	size of cells	2.85E-03	104
Mammary	Corn				
gland	stover	Positive	dyspnea	2.89E-03	37
Mammary	Corn		autosomal dominant Emery-Dreifuss muscular		
gland	stover	Positive	dystrophy	2.90E-03	20
Mammary	Corn				
gland	stover	Positive	proliferation of neural stem cells	2.90E-03	20
Mammary	Corn				
gland	stover	Positive	dysplasia	2.90E-03	55
Mammary	Corn				
gland	stover	Positive	cell viability of carcinoma cell lines	2.99E-03	39
Mammary	Corn				
gland	stover	Positive	neurotransmission	3.02E-03	100
Mammary	Corn				
gland	stover	Positive	abnormal morphology of embryoblast	3.18E-03	17
Mammary	Corn	Positive	Ovarian Cancer and Tumors	3.18E-03	176

gland	stover				
Mammary	Corn				
gland	stover	Positive	morphology of mitochondria	3.18E-03	29
Mammary	Corn				
gland	stover	Positive	synthesis of glycosphingolipid	3.18E-03	29
Mammary	Corn				
gland	stover	Positive	binding of DNA	3.18E-03	124
Mammary	Corn				
gland	stover	Positive	synthesis of ATP	3.20E-03	27
Mammary	Corn				
gland	stover	Positive	proliferation of endothelial cells	3.24E-03	77
Mammary	Corn				
gland	stover	Positive	migration of mesenchymal stem cells	3.24E-03	11
Mammary	Corn				
gland	stover	Positive	development of genitourinary system	3.25E-03	204
Mammary	Corn				
gland	stover	Positive	abnormal morphology of vertebrae	3.27E-03	37
Mammary	Corn				
gland	stover	Positive	morphology of pulmonary alveolus	3.36E-03	33
Mammary	Corn				
gland	stover	Positive	cartilage development	3.37E-03	39
Mammary	Corn				
gland	stover	Positive	morphology of lymphoid organ	3.44E-03	95
Mammary	Corn				
gland	stover	Positive	transmembrane potential of mitochondria	3.52E-03	55
Mammary	Corn				
gland	stover	Positive	migration of sarcoma cell lines	3.54E-03	23
Mammary	Corn				
gland	stover	Positive	abnormal morphology of vertebral column	3.55E-03	38
Mammary	Corn				
gland	stover	Positive	differentiation of tumor cell lines	3.57E-03	92
Mammary	Corn				
gland	stover	Positive	proliferation of immune cells	3.59E-03	183
Mammary	Corn				
gland	stover	Positive	shape change of kidney cell lines	3.60E-03	20
Mammary	Corn				
gland	stover	Positive	function of blood vessel	3.65E-03	18
Mammary	Corn				
gland	stover	Positive	neurogenesis of brain	3.65E-03	18
Mammary	Corn				
gland	stover	Positive	concentration of acylglycerol	3.65E-03	82
Mammary	Corn				
gland	stover	Positive	colony formation	3.69E-03	127
Mammary	Corn	Positive	morphology of uterus	3.75E-03	27

gland	stover					
Mammary	Corn					
gland	stover	Positive	cell death of brain cells	3.75E-03	68	
Mammary	Corn					
gland	stover	Positive	export of molecule	3.78E-03	73	
Mammary	Corn					
gland	stover	Positive	development of sensory organ	3.78E-03	133	
Mammary	Corn					
gland	stover	Positive	outgrowth of cells	3.85E-03	104	
Mammary	Corn					
gland	stover	Positive	differentiation of bone cells	4.00E-03	98	
Mammary	Corn					
gland	stover	Positive	activation of astrocytes	4.06E-03	17	
Mammary	Corn					
gland	stover	Positive	transport of monosaccharide	4.06E-03	42	
Mammary	Corn					
gland	stover	Positive	cell death of cerebral cortex cells	4.06E-03	58	
Mammary	Corn					
gland	stover	Positive	fusion of cellular membrane	4.06E-03	19	
Mammary	Corn					
gland	stover	Positive	juvenile dermatomyositis	4.06E-03	19	
Mammary	Corn					
gland	stover	Positive	differentiation of osteoblasts	4.06E-03	69	
Mammary	Corn					
gland	stover	Positive	tumorigenesis of gonad	4.07E-03	186	
Mammary	Corn					
gland	stover	Positive	cell movement of leukocytes	4.18E-03	177	
Mammary	Corn					
gland	stover	Positive	Shock Response	4.18E-03	45	
Mammary	Corn					
gland	stover	Positive	transport of monovalent inorganic cation	4.19E-03	55	
Mammary	Corn					
gland	stover	Positive	localization of protein	4.22E-03	48	
Mammary	Corn					
gland	stover	Positive	activation of Protein kinase	4.28E-03	63	
Mammary	Corn					
gland	stover	Positive	death of perinatal stage organism	4.32E-03	24	
Mammary	Corn					
gland	stover	Positive	quantity of glycosphingolipid	4.33E-03	28	
Mammary	Corn					
gland	stover	Positive	oral squamous cell carcinoma	4.33E-03	46	
Mammary	Corn					
gland	stover	Positive	cancer of secretory structure	4.33E-03	430	
Mammary	Corn	Positive	cell death of central nervous system cells	4.37E-03	72	

gland	stover					
Mammary	Corn					
gland	stover	Positive	fragmentation of mitochondria	4.37E-03	16	
Mammary	Corn					
gland	stover	Positive	metabolism of protein	4.46E-03	221	
Mammary	Corn					
gland	stover	Positive	cell movement of epithelial cell lines	4.53E-03	32	
Mammary	Corn					
gland	stover	Positive	migration of endothelial cells	4.54E-03	80	
Mammary	Corn					
gland	stover	Positive	metabolism of peptide	4.67E-03	48	
Mammary	Corn					
gland	stover	Positive	concentration of sterol	4.68E-03	75	
Mammary	Corn					
gland	stover	Positive	stress response of cells	4.72E-03	37	
Mammary	Corn					
gland	stover	Positive	growth of embryonic tissue	4.72E-03	68	
Mammary	Corn					
gland	stover	Positive	migration of fibrosarcoma cell lines	4.72E-03	15	
Mammary	Corn					
gland	stover	Positive	differentiation of leukocytes	4.74E-03	156	
Mammary	Corn					
gland	stover	Positive	myopathy of heart	4.74E-03	11	
Mammary	Corn					
gland	stover	Positive	familial cardiovascular disease	4.78E-03	46	
Mammary	Corn					
gland	stover	Positive	cell movement of embryonic cell lines	4.78E-03	30	
Mammary	Corn					
gland	stover	Positive	cell death of breast cancer cell lines	4.80E-03	81	
Mammary	Corn					
gland	stover	Positive	development of tumor cell lines	4.84E-03	22	
Mammary	Corn					
gland	stover	Positive	length of neurites	4.84E-03	22	
Mammary	Corn					
gland	stover	Negative	malignant solid tumor	9.26E-53	4810	
Mammary	Corn					
gland	stover	Negative	cancer	1.28E-52	4860	
Mammary	Corn					
gland	stover	Negative	proliferation of cells	2.26E-50	1888	
Mammary	Corn					
gland	stover	Negative	cell death	4.65E-50	1729	
Mammary	Corn					
gland	stover	Negative	apoptosis	8.51E-43	1388	
Mammary	Corn	Negative	morbidity or mortality	4.85E-42	1287	

gland	stover					
Mammary	Corn					
gland	stover	Negative	organismal death	1.40E-41	1270	
Mammary	Corn					
gland	stover	Negative	necrosis	3.08E-38	1336	
Mammary	Corn					
gland	stover	Negative	neoplasia of epithelial tissue	5.38E-34	3986	
Mammary	Corn					
gland	stover	Negative	tumorigenesis of tissue	1.83E-33	4043	
Mammary	Corn					
gland	stover	Negative	organization of cytoplasm	3.00E-33	839	
Mammary	Corn					
gland	stover	Negative	morphology of cells	5.74E-33	1029	
Mammary	Corn					
gland	stover	Negative	abdominal neoplasm	9.09E-33	3951	
Mammary	Corn					
gland	stover	Negative	epithelial cancer	3.00E-32	3941	
Mammary	Corn					
gland	stover	Negative	abdominal cancer	3.59E-30	3894	
Mammary	Corn					
gland	stover	Negative	organization of cytoskeleton	2.78E-29	759	
Mammary	Corn					
gland	stover	Negative	cell movement	5.35E-29	1094	
Mammary	Corn					
gland	stover	Negative	migration of cells	7.90E-26	978	
Mammary	Corn					
gland	stover	Negative	expression of RNA	2.81E-24	1080	
Mammary	Corn					
gland	stover	Negative	transport of molecule	3.52E-24	838	
Mammary	Corn					
gland	stover	Negative	cell survival	3.98E-24	737	
Mammary	Corn					
gland	stover	Negative	cell death of tumor cell lines	7.46E-24	797	
Mammary	Corn					
gland	stover	Negative	cellular homeostasis	7.46E-24	795	
Mammary	Corn					
gland	stover	Negative	quantity of cells	3.84E-23	904	
Mammary	Corn					
gland	stover	Negative	Movement Disorders	1.24E-22	575	
Mammary	Corn					
gland	stover	Negative	transcription	2.22E-22	1002	
Mammary	Corn					
gland	stover	Negative	differentiation of cells	3.28E-22	1115	
Mammary	Corn	Negative	apoptosis of tumor cell lines	3.85E-22	644	

gland	stover					
Mammary	Corn					
gland	stover	Negative	microtubule dynamics	4.26E-22	631	
Mammary	Corn					
gland	stover	Negative	cell viability	4.28E-22	685	
Mammary	Corn					
gland	stover	Negative	Viral Infection	4.28E-22	828	
Mammary	Corn					
gland	stover	Negative	transcription of RNA	2.28E-21	935	
Mammary	Corn					
gland	stover	Negative	proliferation of tumor cell lines	4.29E-21	794	
Mammary	Corn					
gland	stover	Negative	digestive organ tumor	5.31E-21	3375	
Mammary	Corn					
gland	stover	Negative	digestive system cancer	1.18E-20	3343	
Mammary	Corn					
gland	stover	Negative	disorder of basal ganglia	1.10E-18	420	
Mammary	Corn					
gland	stover	Negative	quantity of blood cells	3.15E-18	542	
Mammary	Corn					
gland	stover	Negative	angiogenesis	3.65E-18	485	
Mammary	Corn					
gland	stover	Negative	cell death of connective tissue cells	2.66E-17	335	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of cells	2.82E-17	647	
Mammary	Corn					
gland	stover	Negative	concentration of lipid	4.58E-17	435	
Mammary	Corn					
gland	stover	Negative	neuromuscular disease	9.21E-17	468	
Mammary	Corn					
gland	stover	Negative	quantity of leukocytes	1.20E-16	483	
Mammary	Corn					
gland	stover	Negative	cell movement of tumor cell lines	1.66E-16	452	
Mammary	Corn					
gland	stover	Negative	vasculogenesis	1.86E-16	397	
Mammary	Corn					
gland	stover	Negative	Huntington's Disease	2.03E-16	318	
Mammary	Corn					
gland	stover	Negative	morphology of cardiovascular system	2.09E-16	340	
Mammary	Corn					
gland	stover	Negative	size of body	2.24E-16	451	
Mammary	Corn					
gland	stover	Negative	cell viability of tumor cell lines	3.39E-16	416	
Mammary	Corn	Negative	function of blood cells	3.43E-16	323	

gland	stover				
Mammary	Corn				
gland	stover	Negative	formation of cellular protrusions	4.69E-16	474
Mammary	Corn				
gland	stover	Negative	dyskinesia	5.62E-16	337
Mammary	Corn				
gland	stover	Negative	synthesis of lipid	1.16E-15	383
Mammary	Corn				
gland	stover	Negative	neurological signs	1.65E-15	352
Mammary	Corn				
gland	stover	Negative	morphology of body cavity	1.68E-15	606
Mammary	Corn				
gland	stover	Negative	function of leukocytes	2.08E-15	296
Mammary	Corn				
gland	stover	Negative	cell cycle progression	2.17E-15	538
Mammary	Corn				
gland	stover	Negative	abnormal morphology of body cavity	4.24E-15	580
Mammary	Corn				
gland	stover	Negative	development of cytoplasm	7.87E-15	257
Mammary	Corn				
gland	stover	Negative	growth of organism	9.71E-15	437
Mammary	Corn				
gland	stover	Negative	cell movement of blood cells	2.01E-14	454
Mammary	Corn				
gland	stover	Negative	phosphorylation of protein	2.02E-14	388
Mammary	Corn				
gland	stover	Negative	migration of blood cells	3.36E-14	452
Mammary	Corn				
gland	stover	Negative	infection by RNA virus	3.41E-14	449
Mammary	Corn				
gland	stover	Negative	leukocyte migration	3.92E-14	451
Mammary	Corn				
gland	stover	Negative	concentration of fatty acid	5.50E-14	163
Mammary	Corn				
gland	stover	Negative	cell movement of leukocytes	5.64E-14	401
Mammary	Corn				
gland	stover	Negative	transcription of DNA	1.04E-13	749
Mammary	Corn				
gland	stover	Negative	invasion of cells	1.07E-13	448
Mammary	Corn				
gland	stover	Negative	migration of tumor cell lines	1.26E-13	371
Mammary	Corn				
gland	stover	Negative	cell spreading	2.06E-13	160
Mammary	Corn	Negative	growth of connective tissue	2.59E-13	340

gland	stover				
Mammary	Corn				
gland	stover	Negative	cell death of blood cells	3.18E-13	363
Mammary	Corn				
gland	stover	Negative	necrosis of epithelial tissue	3.19E-13	313
Mammary	Corn				
gland	stover	Negative	proliferation of connective tissue cells	3.20E-13	315
Mammary	Corn				
gland	stover	Negative	quantity of lymphocytes	4.41E-13	369
Mammary	Corn				
gland	stover	Negative	growth of epithelial tissue	4.46E-13	356
Mammary	Corn				
gland	stover	Negative	transactivation	5.38E-13	307
Mammary	Corn				
gland	stover	Negative	infection of cells	9.43E-13	410
Mammary	Corn				
gland	stover	Negative	protein kinase cascade	9.53E-13	230
Mammary	Corn				
gland	stover	Negative	infection by Retroviridae	1.03E-12	373
Mammary	Corn				
gland	stover	Negative	degeneration of nervous system	1.33E-12	163
Mammary	Corn				
gland	stover	Negative	cell death of immune cells	1.60E-12	344
Mammary	Corn				
gland	stover	Negative	abnormal morphology of cardiovascular system	1.65E-12	300
Mammary	Corn				
gland	stover	Negative	autosomal recessive disease	1.79E-12	466
Mammary	Corn				
gland	stover	Negative	proliferation of blood cells	2.25E-12	429
Mammary	Corn				
gland	stover	Negative	quantity of mononuclear leukocytes	2.28E-12	379
Mammary	Corn				
gland	stover	Negative	Neurodegeneration	3.00E-12	173
Mammary	Corn				
gland	stover	Negative	formation of cytoskeleton	3.16E-12	206
Mammary	Corn				
gland	stover	Negative	abnormal morphology of thoracic cavity	5.52E-12	307
Mammary	Corn				
gland	stover	Negative	homing of cells	6.17E-12	293
Mammary	Corn				
gland	stover	Negative	infection by lentivirus	6.81E-12	367
Mammary	Corn				
gland	stover	Negative	HIV infection	6.81E-12	366
Mammary	Corn	Negative	organization of organelle	6.81E-12	284

gland	stover					
Mammary	Corn					
gland	stover	Negative	degeneration of cells	8.17E-12	189	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of epithelial tissue	1.04E-11	225	
Mammary	Corn					
gland	stover	Negative	cell death of fibroblast cell lines	1.16E-11	229	
Mammary	Corn					
gland	stover	Negative	cell transformation	1.35E-11	245	
Mammary	Corn					
gland	stover	Negative	fatty acid metabolism	1.36E-11	312	
Mammary	Corn					
gland	stover	Negative	homing	1.60E-11	299	
Mammary	Corn					
gland	stover	Negative	cell death of epithelial cells	1.76E-11	262	
Mammary	Corn					
gland	stover	Negative	proliferation of immune cells	1.99E-11	401	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of abdomen	2.04E-11	440	
Mammary	Corn					
gland	stover	Negative	Organ Degeneration	2.07E-11	260	
Mammary	Corn					
gland	stover	Negative	cell movement of myeloid cells	2.55E-11	282	
Mammary	Corn					
gland	stover	Negative	cellular degradation	2.69E-11	143	
Mammary	Corn					
gland	stover	Negative	formation of muscle	2.75E-11	213	
Mammary	Corn					
gland	stover	Negative	ubiquitination of protein	3.20E-11	181	
Mammary	Corn					
gland	stover	Negative	apoptosis of blood cells	3.76E-11	260	
Mammary	Corn					
gland	stover	Negative	migration of muscle cells	4.13E-11	98	
Mammary	Corn					
gland	stover	Negative	function of cardiovascular system	4.31E-11	199	
Mammary	Corn					
gland	stover	Negative	ubiquitination	4.52E-11	183	
Mammary	Corn					
gland	stover	Negative	neuronal cell death	6.44E-11	347	
Mammary	Corn					
gland	stover	Negative	transactivation of RNA	6.45E-11	282	
Mammary	Corn					
gland	stover	Negative	development of connective tissue	6.92E-11	199	
Mammary	Corn	Negative	development of epithelial tissue	7.21E-11	269	

gland	stover					
Mammary	Corn					
gland	stover	Negative	chemotaxis of cells	7.39E-11	274	
Mammary	Corn					
gland	stover	Negative	invasion of tumor cell lines	7.85E-11	339	
Mammary	Corn					
gland	stover	Negative	function of phagocytes	9.05E-11	167	
Mammary	Corn					
gland	stover	Negative	fibrogenesis	9.47E-11	218	
Mammary	Corn					
gland	stover	Negative	morphology of heart	1.10E-10	215	
Mammary	Corn					
gland	stover	Negative	inflammatory response	1.13E-10	391	
Mammary	Corn					
gland	stover	Negative	development of body trunk	1.27E-10	544	
Mammary	Corn					
gland	stover	Negative	formation of cells	1.33E-10	484	
Mammary	Corn					
gland	stover	Negative	mitosis	1.40E-10	258	
Mammary	Corn					
gland	stover	Negative	chemotaxis	1.56E-10	281	
Mammary	Corn					
gland	stover	Negative	differentiation of connective tissue cells	1.61E-10	327	
Mammary	Corn					
gland	stover	Negative	engulfment of cells	1.66E-10	215	
Mammary	Corn					
gland	stover	Negative	quantity of connective tissue	1.76E-10	308	
Mammary	Corn					
gland	stover	Negative	proliferation of lymphocytes	1.76E-10	366	
Mammary	Corn					
gland	stover	Negative	proliferation of mononuclear leukocytes	1.92E-10	371	
Mammary	Corn					
gland	stover	Negative	infection by HIV-1	2.04E-10	311	
Mammary	Corn					
gland	stover	Negative	quantity of B lymphocytes	2.04E-10	185	
Mammary	Corn					
gland	stover	Negative	growth of lymphatic system component	2.05E-10	110	
Mammary	Corn					
gland	stover	Negative	growth of embryo	2.20E-10	248	
Mammary	Corn					
gland	stover	Negative	accumulation of lipid	2.40E-10	162	
Mammary	Corn					
gland	stover	Negative	cell movement of muscle cells	2.47E-10	104	
Mammary	Corn	Negative	growth of muscle tissue	2.47E-10	198	

gland	stover					
Mammary	Corn					
gland	stover	Negative	cell movement of phagocytes	2.52E-10	282	
Mammary	Corn					
gland	stover	Negative	proliferation of fibroblasts	2.82E-10	188	
Mammary	Corn					
gland	stover	Negative	apoptosis of fibroblast cell lines	2.83E-10	176	
Mammary	Corn					
gland	stover	Negative	apoptosis of leukocytes	2.85E-10	238	
Mammary	Corn					
gland	stover	Negative	differentiation of connective tissue	3.06E-10	366	
Mammary	Corn					
gland	stover	Negative	activation of cells	3.84E-10	479	
Mammary	Corn					
gland	stover	Negative	colony formation of cells	4.00E-10	254	
Mammary	Corn					
gland	stover	Negative	formation of filaments	4.02E-10	209	
Mammary	Corn					
gland	stover	Negative	morphology of connective tissue	4.26E-10	239	
Mammary	Corn					
gland	stover	Negative	function of antigen presenting cells	4.40E-10	135	
Mammary	Corn					
gland	stover	Negative	proliferation of muscle cells	4.45E-10	196	
Mammary	Corn					
gland	stover	Negative	degeneration of neurons	4.51E-10	132	
Mammary	Corn					
gland	stover	Negative	synthesis of reactive oxygen species	4.51E-10	248	
Mammary	Corn					
gland	stover	Negative	cell death of cervical cancer cell lines	5.12E-10	186	
Mammary	Corn					
gland	stover	Negative	development of blood cells	5.25E-10	329	
Mammary	Corn					
gland	stover	Negative	migration of smooth muscle cells	5.50E-10	87	
Mammary	Corn					
gland	stover	Negative	replication of virus	5.78E-10	286	
Mammary	Corn					
gland	stover	Negative	formation of actin stress fibers	6.00E-10	132	
Mammary	Corn					
gland	stover	Negative	function of myeloid cells	7.49E-10	131	
Mammary	Corn					
gland	stover	Negative	growth of lesion	8.25E-10	395	
Mammary	Corn					
gland	stover	Negative	seizure disorder	9.28E-10	242	
Mammary	Corn	Negative	growth of tumor	9.63E-10	394	

gland	stover				
Mammary	Corn				
gland	stover	Negative	replication of RNA virus	9.92E-10	259
Mammary	Corn				
gland	stover	Negative	small GTPase mediated signal transduction	9.92E-10	104
Mammary	Corn				
gland	stover	Negative	cellular infiltration of blood cells	9.92E-10	203
Mammary	Corn				
gland	stover	Negative	uptake of carbohydrate	9.94E-10	156
Mammary	Corn				
gland	stover	Negative	morphology of nervous system	1.04E-09	388
Mammary	Corn				
gland	stover	Negative	colony formation	1.17E-09	273
Mammary	Corn				
gland	stover	Negative	Growth Failure	1.21E-09	302
Mammary	Corn				
gland	stover	Negative	demyelination	1.24E-09	72
Mammary	Corn				
gland	stover	Negative	development of vasculature	1.25E-09	217
Mammary	Corn				
gland	stover	Negative	function of macrophages	1.29E-09	101
Mammary	Corn				
gland	stover	Negative	morphology of digestive system	1.29E-09	289
Mammary	Corn				
gland	stover	Negative	cellular infiltration	1.38E-09	226
Mammary	Corn				
gland	stover	Negative	formation of skin	1.43E-09	192
Mammary	Corn				
gland	stover	Negative	cellular infiltration by leukocytes	1.44E-09	202
Mammary	Corn				
gland	stover	Negative	synthesis of DNA	1.47E-09	216
Mammary	Corn				
gland	stover	Negative	uptake of monosaccharide	1.47E-09	145
Mammary	Corn				
gland	stover	Negative	abnormal morphology of digestive system	1.58E-09	276
Mammary	Corn				
gland	stover	Negative	interphase	1.73E-09	328
Mammary	Corn				
gland	stover	Negative	development of cardiovascular tissue	1.79E-09	193
Mammary	Corn				
gland	stover	Negative	cellular infiltration of cells	1.88E-09	206
Mammary	Corn				
gland	stover	Negative	cell movement of smooth muscle cells	1.96E-09	92
Mammary	Corn	Negative	differentiation of epithelial tissue	1.96E-09	188

gland	stover				
Mammary	Corn				
gland	stover	Negative	cell movement of endothelial cells	2.27E-09	185
Mammary	Corn				
gland	stover	Negative	metabolism of membrane lipid derivative	2.62E-09	201
Mammary	Corn				
gland	stover	Negative	activation of DNA endogenous promoter	2.62E-09	577
Mammary	Corn				
gland	stover	Negative	quantity of lymphatic system component	2.93E-09	196
Mammary	Corn				
gland	stover	Negative	seizures	3.51E-09	206
Mammary	Corn				
gland	stover	Negative	quantity of T lymphocytes	3.78E-09	270
Mammary	Corn				
gland	stover	Negative	development of leukocytes	3.81E-09	295
Mammary	Corn				
gland	stover	Negative	endothelial cell development	4.31E-09	184
Mammary	Corn				
gland	stover	Negative	autophagy	4.31E-09	194
Mammary	Corn				
gland	stover	Negative	metabolism of reactive oxygen species	4.64E-09	253
Mammary	Corn				
gland	stover	Negative	genital tumor	4.70E-09	1803
Mammary	Corn				
gland	stover	Negative	secretion of molecule	5.06E-09	277
Mammary	Corn				
gland	stover	Negative	adenocarcinoma	5.14E-09	2845
Mammary	Corn				
gland	stover	Negative	dysmyelination	5.14E-09	78
Mammary	Corn				
gland	stover	Negative	recruitment of cells	5.39E-09	185
Mammary	Corn				
gland	stover	Negative	benign neoplasia	6.24E-09	448
Mammary	Corn				
gland	stover	Negative	proliferation of epithelial cells	6.54E-09	249
Mammary	Corn				
gland	stover	Negative	metabolism of protein	7.14E-09	469
Mammary	Corn				
gland	stover	Negative	hypersensitive reaction	7.14E-09	219
Mammary	Corn				
gland	stover	Negative	development of endothelial tissue	7.23E-09	189
Mammary	Corn				
gland	stover	Negative	development of mononuclear leukocytes	8.07E-09	279
Mammary	Corn	Negative	development of lymphocytes	8.15E-09	277

gland	stover					
Mammary	Corn					
gland	stover	Negative	abnormal morphology of heart	8.25E-09	197	
Mammary	Corn					
gland	stover	Negative	cell death of epithelial cell lines	8.28E-09	149	
Mammary	Corn					
gland	stover	Negative	hepatocellular carcinoma	8.50E-09	1862	
Mammary	Corn					
gland	stover	Negative	survival of organism	8.85E-09	346	
Mammary	Corn					
gland	stover	Negative	liver tumor	9.71E-09	1932	
Mammary	Corn					
gland	stover	Negative	concentration of sterol	1.00E-08	160	
Mammary	Corn					
gland	stover	Negative	proliferation of T lymphocytes	1.05E-08	300	
Mammary	Corn					
gland	stover	Negative	Hypertrophy	1.09E-08	239	
Mammary	Corn					
gland	stover	Negative	proliferation of smooth muscle cells	1.09E-08	150	
Mammary	Corn					
gland	stover	Negative	formation of actin filaments	1.22E-08	159	
Mammary	Corn					
gland	stover	Negative	binding of DNA	1.22E-08	261	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of nervous system	1.32E-08	355	
Mammary	Corn					
gland	stover	Negative	epileptic seizure	1.36E-08	93	
Mammary	Corn					
gland	stover	Negative	metabolism of carbohydrate	1.52E-08	307	
Mammary	Corn					
gland	stover	Negative	cell movement of mononuclear leukocytes	1.53E-08	233	
Mammary	Corn					
gland	stover	Negative	synthesis of fatty acid	1.68E-08	162	
Mammary	Corn					
gland	stover	Negative	neurodegeneration of neurites	1.76E-08	55	
Mammary	Corn					
gland	stover	Negative	hepatobiliary system cancer	1.76E-08	1925	
Mammary	Corn					
gland	stover	Negative	differentiation of muscle cell lines	1.81E-08	90	
Mammary	Corn					
gland	stover	Negative	quantity of antigen presenting cells	1.81E-08	145	
Mammary	Corn					
gland	stover	Negative	peripheral arterial disease	1.81E-08	114	
Mammary	Corn	Negative	cell death of mononuclear leukocytes	1.87E-08	202	

gland	stover					
Mammary	Corn					
gland	stover	Negative	arthritis	1.87E-08	450	
Mammary	Corn					
gland	stover	Negative	liver cancer	2.00E-08	1916	
Mammary	Corn					
gland	stover	Negative	apoptosis of connective tissue cells	2.00E-08	154	
Mammary	Corn					
gland	stover	Negative	arthropathy	2.00E-08	457	
Mammary	Corn					
gland	stover	Negative	cell death of central nervous system cells	2.37E-08	152	
Mammary	Corn					
gland	stover	Negative	endocytosis	2.38E-08	177	
Mammary	Corn					
gland	stover	Negative	morphology of head	2.40E-08	422	
Mammary	Corn					
gland	stover	Negative	metabolism of nucleotide	2.50E-08	221	
Mammary	Corn					
gland	stover	Negative	homeostasis of leukocytes	2.83E-08	275	
Mammary	Corn					
gland	stover	Negative	autosomal dominant disease	2.83E-08	313	
Mammary	Corn					
gland	stover	Negative	concentration of cholesterol	2.86E-08	151	
Mammary	Corn					
gland	stover	Negative	neuritogenesis	2.86E-08	288	
Mammary	Corn					
gland	stover	Negative	recruitment of phagocytes	3.00E-08	130	
Mammary	Corn					
gland	stover	Negative	transport of protein	3.37E-08	156	
Mammary	Corn					
gland	stover	Negative	Lymphocyte homeostasis	3.41E-08	270	
Mammary	Corn					
gland	stover	Negative	apoptosis of epithelial cell lines	3.41E-08	119	
Mammary	Corn					
gland	stover	Negative	cell death of brain	3.58E-08	151	
Mammary	Corn					
gland	stover	Negative	phosphorylation of L-amino acid	3.93E-08	117	
Mammary	Corn					
gland	stover	Negative	T cell development	3.93E-08	250	
Mammary	Corn					
gland	stover	Negative	paraproteinemia	3.99E-08	172	
Mammary	Corn					
gland	stover	Negative	proliferation of neuronal cells	4.00E-08	284	
Mammary	Corn	Negative	production of reactive oxygen species	4.05E-08	186	

gland	stover				
Mammary	Corn				
gland	stover	Negative	development of body axis	4.35E-08	499
Mammary	Corn				
gland	stover	Negative	cell death of lymphocytes	4.47E-08	195
Mammary	Corn				
gland	stover	Negative	migration of endothelial cells	4.49E-08	168
Mammary	Corn				
gland	stover	Negative	quantity of interleukin	5.27E-08	78
Mammary	Corn				
gland	stover	Negative	function of muscle	5.33E-08	177
Mammary	Corn				
gland	stover	Negative	development of head	5.40E-08	467
Mammary	Corn				
gland	stover	Negative	activation of enzyme	5.43E-08	196
Mammary	Corn				
gland	stover	Negative	size of embryo	5.62E-08	181
Mammary	Corn				
gland	stover	Negative	plasma cell dyscrasia	5.87E-08	171
Mammary	Corn				
gland	stover	Negative	movement of vascular endothelial cells	6.20E-08	98
Mammary	Corn				
gland	stover	Negative	recruitment of blood cells	6.86E-08	168
Mammary	Corn				
gland	stover	Negative	quantity of steroid	6.89E-08	232
Mammary	Corn				
gland	stover	Negative	differentiation of bone	6.89E-08	206
Mammary	Corn				
gland	stover	Negative	T cell homeostasis	7.09E-08	255
Mammary	Corn				
gland	stover	Negative	immune response of cells	7.44E-08	281
Mammary	Corn				
gland	stover	Negative	cell death of kidney cells	7.90E-08	177
Mammary	Corn				
gland	stover	Negative	differentiation of bone cells	8.19E-08	204
Mammary	Corn				
gland	stover	Negative	metabolism of nucleic acid component or derivative	8.21E-08	256
Mammary	Corn				
gland	stover	Negative	cognition	8.22E-08	226
Mammary	Corn				
gland	stover	Negative	Bleeding	8.27E-08	212
Mammary	Corn				
gland	stover	Negative	morphology of cardiovascular tissue	8.36E-08	52
Mammary	Corn	Negative	necrosis of kidney	8.48E-08	184

gland	stover					
Mammary	Corn					
gland	stover	Negative	differentiation of epithelial cells	8.64E-08	160	
Mammary	Corn					
gland	stover	Negative	blood protein disorder	8.86E-08	189	
Mammary	Corn					
gland	stover	Negative	apoptosis of cervical cancer cell lines	8.89E-08	145	
Mammary	Corn					
gland	stover	Negative	growth of lymphoid organ	9.30E-08	93	
Mammary	Corn					
gland	stover	Negative	recruitment of leukocytes	9.52E-08	165	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of embryonic tissue	9.63E-08	269	
Mammary	Corn					
gland	stover	Negative	morphology of lymphatic system component	9.63E-08	208	
Mammary	Corn					
gland	stover	Negative	infection of tumor cell lines	9.64E-08	252	
Mammary	Corn					
gland	stover	Negative	neurodegeneration of axons	9.83E-08	51	
Mammary	Corn					
gland	stover	Negative	recruitment of macrophages	9.90E-08	61	
Mammary	Corn					
gland	stover	Negative	cell death of liver cells	1.02E-07	104	
Mammary	Corn					
gland	stover	Negative	uptake of D-glucose	1.03E-07	116	
Mammary	Corn					
gland	stover	Negative	peripheral vascular disease	1.06E-07	191	
Mammary	Corn					
gland	stover	Negative	morphology of endothelial cells	1.06E-07	39	
Mammary	Corn					
gland	stover	Negative	quantity of carbohydrate	1.08E-07	255	
Mammary	Corn					
gland	stover	Negative	uptake of D-hexose	1.08E-07	117	
Mammary	Corn					
gland	stover	Negative	quantity of reactive oxygen species	1.11E-07	95	
Mammary	Corn					
gland	stover	Negative	formation of plasma membrane projections	1.11E-07	291	
Mammary	Corn					
gland	stover	Negative	perinatal death	1.12E-07	290	
Mammary	Corn					
gland	stover	Negative	behavior	1.18E-07	468	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of head	1.21E-07	398	
Mammary	Corn	Negative	recruitment of antigen presenting cells	1.26E-07	68	

gland	stover					
Mammary	Corn					
gland	stover	Negative	quantity of phagocytes	1.34E-07	211	
Mammary	Corn					
gland	stover	Negative	differentiation of muscle	1.37E-07	154	
Mammary	Corn					
gland	stover	Negative	cell death of brain cells	1.45E-07	140	
Mammary	Corn					
gland	stover	Negative	proliferation of endothelial cells	1.50E-07	158	
Mammary	Corn					
gland	stover	Negative	autophagy of cells	1.59E-07	136	
Mammary	Corn					
gland	stover	Negative	quantity of metal	1.59E-07	245	
Mammary	Corn					
gland	stover	Negative	activation of Protein kinase	1.59E-07	130	
Mammary	Corn					
gland	stover	Negative	I-kappaB kinase/NF-kappaB cascade	1.67E-07	93	
Mammary	Corn					
gland	stover	Negative	abdominal adenocarcinoma	1.67E-07	2575	
Mammary	Corn					
gland	stover	Negative	quantity of protein in blood	1.79E-07	249	
Mammary	Corn					
gland	stover	Negative	proliferation of fibroblast cell lines	1.88E-07	210	
Mammary	Corn					
gland	stover	Negative	cell death of cerebral cortex cells	2.01E-07	119	
Mammary	Corn					
gland	stover	Negative	apoptosis of mononuclear leukocytes	2.02E-07	179	
Mammary	Corn					
gland	stover	Negative	permeability of cells	2.17E-07	57	
Mammary	Corn					
gland	stover	Negative	female genital tract serous cancer	2.19E-07	192	
Mammary	Corn					
gland	stover	Negative	differentiation of leukocytes	2.20E-07	324	
Mammary	Corn					
gland	stover	Negative	activation of leukocytes	2.28E-07	336	
Mammary	Corn					
gland	stover	Negative	vascularization	2.31E-07	122	
Mammary	Corn					
gland	stover	Negative	synthesis of nitric oxide	2.31E-07	141	
Mammary	Corn					
gland	stover	Negative	apoptosis of muscle	2.31E-07	134	
Mammary	Corn					
gland	stover	Negative	morphology of endothelial tissue	2.31E-07	49	
Mammary	Corn	Negative	cell death of tumor	2.58E-07	190	

gland	stover				
Mammary	Corn				
gland	stover	Negative	concentration of acylglycerol	2.62E-07	168
Mammary	Corn				
gland	stover	Negative	internalization by tumor cell lines	2.83E-07	66
Mammary	Corn				
gland	stover	Negative	apoptosis of muscle cells	2.83E-07	133
Mammary	Corn				
gland	stover	Negative	synthesis of nucleotide	2.96E-07	181
Mammary	Corn				
gland	stover	Negative	apoptosis of pheochromocytoma cell lines	2.96E-07	53
Mammary	Corn				
gland	stover	Negative	quantity of metal ion	3.00E-07	218
Mammary	Corn				
gland	stover	Negative	quantity of cytokine	3.20E-07	130
Mammary	Corn				
gland	stover	Negative	quantity of lymphoid organ	3.20E-07	155
Mammary	Corn				
gland	stover	Negative	quantity of IL-6 in blood	3.20E-07	50
Mammary	Corn				
gland	stover	Negative	cell death of muscle	3.29E-07	172
Mammary	Corn				
gland	stover	Negative	apoptosis of lymphocytes	3.32E-07	173
Mammary	Corn				
gland	stover	Negative	apoptosis of liver	3.48E-07	85
Mammary	Corn				
gland	stover	Negative	S phase	3.52E-07	133
Mammary	Corn				
gland	stover	Negative	cell movement of granulocytes	3.57E-07	184
Mammary	Corn				
gland	stover	Negative	learning	3.65E-07	206
Mammary	Corn				
gland	stover	Negative	allergy	3.66E-07	200
Mammary	Corn				
gland	stover	Negative	Waldenstrom's macroglobulinemia	3.66E-07	99
Mammary	Corn				
gland	stover	Negative	function of lymphocytes	3.88E-07	170
Mammary	Corn				
gland	stover	Negative	necrosis of muscle	3.90E-07	171
Mammary	Corn				
gland	stover	Negative	cell death of T lymphocytes	4.06E-07	158
Mammary	Corn				
gland	stover	Negative	breast or colorectal cancer	4.11E-07	2173
Mammary	Corn	Negative	apoptosis of cardiomyocytes	4.16E-07	97

gland	stover				
Mammary	Corn				
gland	stover	Negative	quantity of macrophages	4.18E-07	105
Mammary	Corn				
gland	stover	Negative	occlusion of blood vessel	4.22E-07	235
Mammary	Corn				
gland	stover	Negative	vaso-occlusion	4.25E-07	234
Mammary	Corn				
gland	stover	Negative	apoptosis of epithelial cells	4.69E-07	144
Mammary	Corn				
gland	stover	Negative	development of lymphatic system component	4.70E-07	155
Mammary	Corn				
gland	stover	Negative	cell death of heart	4.77E-07	117
Mammary	Corn				
gland	stover	Negative	quantity of hematopoietic cells	4.78E-07	217
Mammary	Corn				
gland	stover	Negative	apoptosis of heart cells	4.78E-07	99
Mammary	Corn				
gland	stover	Negative	development of lymphatic system	4.85E-07	177
Mammary	Corn				
gland	stover	Negative	abnormal morphology of lymphoid organ	5.02E-07	187
Mammary	Corn				
gland	stover	Negative	cell movement of fibroblasts	5.02E-07	96
Mammary	Corn				
gland	stover	Negative	concentration of phospholipid	5.02E-07	96
Mammary	Corn				
gland	stover	Negative	necrosis of tumor	5.02E-07	188
Mammary	Corn				
gland	stover	Negative	transformation of fibroblast cell lines	5.02E-07	131
Mammary	Corn				
gland	stover	Negative	cell death of muscle cells	5.38E-07	167
Mammary	Corn				
gland	stover	Negative	differentiation of muscle cells	5.44E-07	142
Mammary	Corn				
gland	stover	Negative	quantity of hematopoietic progenitor cells	5.57E-07	216
Mammary	Corn				
gland	stover	Negative	binding of protein binding site	5.81E-07	145
Mammary	Corn				
gland	stover	Negative	morphology of lymphoid organ	5.99E-07	193
Mammary	Corn				
gland	stover	Negative	Cytosis	6.03E-07	160
Mammary	Corn				
gland	stover	Negative	growth of skin	6.05E-07	112
Mammary	Corn	Negative	congenital anomaly of musculoskeletal system	6.32E-07	350

gland	stover					
Mammary	Corn					
gland	stover	Negative	cell death of heart cells	6.35E-07	113	
Mammary	Corn					
gland	stover	Negative	activation of blood cells	6.38E-07	355	
Mammary	Corn					
gland	stover	Negative	migration of breast cancer cell lines	6.43E-07	125	
Mammary	Corn					
gland	stover	Negative	tumorigenesis of genital organ	6.50E-07	1723	
Mammary	Corn					
gland	stover	Negative	occlusion of artery	6.73E-07	231	
Mammary	Corn					
gland	stover	Negative	advanced malignant tumor	6.74E-07	399	
Mammary	Corn					
gland	stover	Negative	differentiation of blood cells	6.89E-07	398	
Mammary	Corn					
gland	stover	Negative	apoptosis of liver cells	6.91E-07	83	
Mammary	Corn					
gland	stover	Negative	cell movement of lymphocytes	6.98E-07	194	
Mammary	Corn					
gland	stover	Negative	generation of blood cells	7.49E-07	87	
Mammary	Corn					
gland	stover	Negative	apoptosis of myeloid cells	7.53E-07	98	
Mammary	Corn					
gland	stover	Negative	Dermatitis	7.73E-07	212	
Mammary	Corn					
gland	stover	Negative	cell viability of cervical cancer cell lines	8.05E-07	113	
Mammary	Corn					
gland	stover	Negative	proliferation of embryonic cells	8.31E-07	126	
Mammary	Corn					
gland	stover	Negative	cell movement of macrophages	8.38E-07	134	
Mammary	Corn					
gland	stover	Negative	genital tract cancer	8.82E-07	1707	
Mammary	Corn					
gland	stover	Negative	colony formation of tumor cell lines	9.26E-07	138	
Mammary	Corn					
gland	stover	Negative	hypertrophy of heart	9.29E-07	167	
Mammary	Corn					
gland	stover	Negative	proliferation of tumor cells	9.31E-07	228	
Mammary	Corn					
gland	stover	Negative	cell death of kidney cell lines	9.50E-07	151	
Mammary	Corn					
gland	stover	Negative	differentiation of skin	9.83E-07	94	
Mammary	Corn	Negative	migration of connective tissue cells	9.83E-07	94	

gland	stover					
Mammary	Corn					
gland	stover	Negative	female genital neoplasm	1.00E-06	1568	
Mammary	Corn					
gland	stover	Negative	cell death of fibroblasts	1.01E-06	133	
Mammary	Corn					
gland	stover	Negative	cell movement of neutrophils	1.11E-06	148	
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gland	stover	Negative	proliferation of dermal cells	1.13E-06	92	
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gland	stover	Negative	generation of leukocytes	1.13E-06	85	
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gland	stover	Negative	metastasis	1.15E-06	359	
Mammary	Corn					
gland	stover	Negative	morphology of intestine	1.15E-06	116	
Mammary	Corn					
gland	stover	Negative	necrosis of cardiac muscle	1.19E-06	111	
Mammary	Corn					
gland	stover	Negative	hypertrophy of cells	1.27E-06	144	
Mammary	Corn					
gland	stover	Negative	atherosclerosis	1.30E-06	224	
Mammary	Corn					
gland	stover	Negative	morphology of reproductive system	1.34E-06	257	
Mammary	Corn					
gland	stover	Negative	proliferation of hematopoietic cells	1.36E-06	128	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of reproductive system	1.37E-06	245	
Mammary	Corn					
gland	stover	Negative	cell death of cardiomyocytes	1.38E-06	109	
Mammary	Corn					
gland	stover	Negative	growth of thymus gland	1.39E-06	54	
Mammary	Corn					
gland	stover	Negative	abnormal morphology of respiratory system	1.41E-06	152	
Mammary	Corn					
gland	stover	Negative	infection of cervical cancer cell lines	1.42E-06	213	
Mammary	Corn					
gland	stover	Negative	atrophy of muscle	1.42E-06	78	
Mammary	Corn					
gland	stover	Negative	morphology of respiratory system	1.43E-06	154	
Mammary	Corn					
gland	stover	Negative	Thrombosis	1.43E-06	88	
Mammary	Corn	Negative	proliferation of epidermal cells	1.43E-06	88	

gland	stover					
Mammary	Corn					
gland	stover	Negative	uterine serous papillary cancer	1.49E-06	117	
Mammary	Corn					
gland	stover	Negative	adhesion of tumor cell lines	1.50E-06	143	
Mammary	Corn					
gland	stover	Negative	cell viability of carcinoma cell lines	1.57E-06	76	
Mammary	Corn					
gland	stover	Negative	organization of actin cytoskeleton	1.64E-06	149	
Mammary	Corn					
gland	stover	Negative	cellular infiltration by macrophages	1.69E-06	83	
Mammary	Corn					
gland	stover	Negative	growth of plasma membrane projections	1.71E-06	225	
Mammary	Corn					
gland	stover	Negative	cell death of neuroblastoma cell lines	1.74E-06	99	
Mammary	Corn					
gland	stover	Negative	skin abnormality	1.74E-06	115	
Mammary	Corn					
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Mammary	Corn					
gland	stover	Negative	urogenital cancer	1.87E-06	1947	
Mammary	Corn					
gland	stover	Negative	sprouting	1.88E-06	188	
Mammary	Corn					
gland	stover	Negative	consumption of oxygen	1.88E-06	81	
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gland	stover	Negative	serous neoplasm	1.93E-06	290	
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gland	stover	Negative	differentiation of keratinocytes	2.13E-06	79	
Mammary	Corn					
gland	stover	Negative	differentiation of dermal cells	2.16E-06	86	
Mammary	Corn					
gland	stover	Negative	cell movement of breast cancer cell lines	2.23E-06	143	
Mammary	Corn					
gland	stover	Negative	cell death of tumor cells	2.27E-06	181	
Mammary	Corn					
gland	stover	Negative	expansion of cells	2.41E-06	149	
Mammary	Corn					
gland	stover	Negative	formation of lamellipodia	2.46E-06	84	
Mammary	Corn					
gland	stover	Negative	cell movement of connective tissue cells	2.49E-06	112	
Mammary	Corn	Negative	cell death of neuroglia	2.61E-06	64	

gland	stover					
Mammary	Corn					
gland	stover	Negative	cell death of breast cancer cell lines	2.65E-06	163	
Mammary	Corn					
gland	stover	Negative	differentiation of epidermal cells	2.65E-06	85	
Mammary	Corn					
gland	stover	Negative	apoptosis of neurons	2.65E-06	210	
Mammary	Corn					
gland	stover	Negative	breast or ovarian cancer	2.73E-06	859	
Mammary	Corn					
gland	stover	Negative	growth of neurites	2.73E-06	222	
Mammary	Corn					
gland	stover	Negative	synthesis of carbohydrate	2.76E-06	205	
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gland	stover	Negative	disease	2.76E-06	82	
Mammary	Corn					
gland	stover	Negative	migration of vascular endothelial cells	2.85E-06	86	
Mammary	Corn					
gland	stover	Negative	experimentally-induced arthritis	2.85E-06	79	
Mammary	Corn					
gland	stover	Negative	activation of neuroglia	2.86E-06	70	
Mammary	Corn					
gland	stover	Negative	Rheumatic Disease	2.92E-06	497	
Mammary	Corn					
gland	stover	Negative	quantity of lymphatic system cells	2.95E-06	136	
Mammary	Corn					
gland	stover	Negative	chronic inflammatory disorder	2.97E-06	451	
Mammary	Corn					
gland	stover	Negative	gastrointestinal tract cancer	3.00E-06	2199	
Mammary	Corn					
gland	stover	Negative	arteriosclerosis	3.01E-06	225	
Mammary	Corn					
gland	stover	Negative	aggregation of cells	3.06E-06	159	
Mammary	Corn					
gland	stover	Negative	apoptosis of kidney cell lines	3.07E-06	119	
Mammary	Corn					
gland	stover	Negative	shape change of tumor cell lines	3.08E-06	80	
Mammary	Corn					
gland	stover	Negative	adhesion of immune cells	3.14E-06	170	
Mammary	Corn					
gland	stover	Negative	development of neurons	3.19E-06	366	
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gland	stover	Negative	generation of lymphocytes	3.19E-06	74	
Mammary	Corn	Negative	neovascularization	3.19E-06	84	

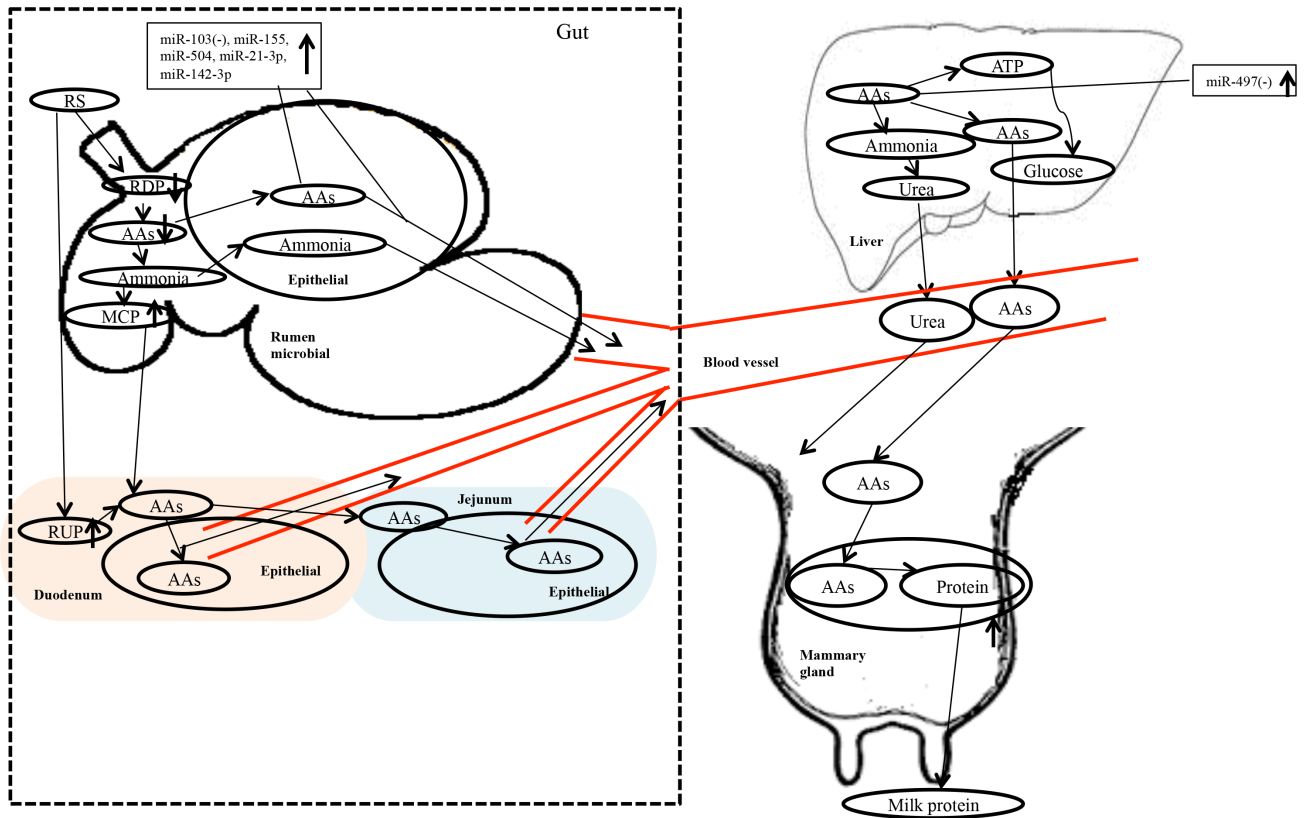
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Mammary	Corn				
gland	stover	Negative	Gastrointestinal Tract Cancer and Tumors	3.33E-06	2233
Mammary	Corn				
gland	stover	Negative	cell death of pheochromocytoma cell lines	3.64E-06	64
Mammary	Corn				
gland	stover	Negative	branching of cells	3.68E-06	179
Mammary	Corn				
gland	stover	Negative	hypertrophy of tissue	3.73E-06	127
Mammary	Corn				
gland	stover	Negative	abnormal morphology of intestine	3.73E-06	111
Mammary	Corn				
gland	stover	Negative	cell death of liver	3.81E-06	119
Mammary	Corn				
gland	stover	Negative	receptor-mediated endocytosis	3.89E-06	76
Mammary	Corn				
gland	stover	Negative	formation of connective tissue cells	3.90E-06	106
Mammary	Corn				
gland	stover	Negative	cell death of myeloid cells	4.06E-06	107
Mammary	Corn				
gland	stover	Negative	concentration of triacylglycerol	4.16E-06	150
Mammary	Corn				
gland	stover	Negative	adhesion of blood cells	4.28E-06	182
Mammary	Corn				
gland	stover	Negative	quantity of thymus gland	4.36E-06	116
Mammary	Corn				
gland	stover	Negative	morphology of pulmonary alveolus	4.47E-06	63
Mammary	Corn				
gland	stover	Negative	cancer of cells	4.48E-06	126
Mammary	Corn				
gland	stover	Negative	necrosis of liver	4.60E-06	118
Mammary	Corn				
gland	stover	Negative	development of connective tissue cells	4.67E-06	111
Mammary	Corn				
gland	stover	Negative	apoptosis of mesangial cells	4.67E-06	19
Mammary	Corn				
gland	stover	Negative	concentration of eicosanoid	4.77E-06	61
Mammary	Corn				
gland	stover	Negative	quantity of immunoglobulin	4.78E-06	145
Mammary	Corn				
gland	stover	Negative	cellular infiltration of phagocytes	4.78E-06	90
Mammary	Corn				
gland	stover	Negative	damage of nervous system	4.78E-06	112
Mammary	Corn	Negative	degeneration of central nervous system	4.78E-06	69

gland	stover					
Mammary	Corn					
gland	stover	Negative	stress response of cells	4.80E-06	72	
Mammary	Corn					
gland	stover	Negative	formation of muscle cells	5.04E-06	91	
Mammary	Corn					
gland	stover	Negative	mass of connective tissue	5.04E-06	101	
Mammary	Corn					
gland	stover	Negative	proliferation of lymphatic system cells	5.04E-06	101	
Mammary	Corn					
gland	stover	Negative	familial dementia	5.22E-06	28	
Mammary	Corn					
gland	stover	Negative	concentration of Ca ²⁺	5.24E-06	67	
Mammary	Corn					
gland	stover	Negative	apoptosis of macrophages	5.25E-06	57	
Mammary	Corn					
gland	stover	Negative	cell movement of carcinoma cell lines	5.48E-06	103	
Mammary	Corn					
gland	stover	Negative	synthesis of steroid	5.53E-06	127	
Mammary	Corn					
gland	stover	Negative	ion homeostasis of cells	5.65E-06	263	
Mammary	Corn					
gland	stover	Negative	migration of fibroblasts	5.82E-06	74	
Mammary	Corn					
gland	stover	Negative	invasion of tumor	5.89E-06	120	
Mammary	Corn					
gland	stover	Negative	proliferation of hematopoietic progenitor cells	5.89E-06	120	
Mammary	Corn					
gland	stover	Negative	cell death of phagocytes	5.89E-06	105	
Mammary	Corn					
gland	stover	Negative	Fibrosis	5.95E-06	252	
Mammary	Corn					
gland	stover	Negative	morphology of blood cells	5.95E-06	199	
Mammary	Corn					
gland	stover	Negative	activation of antigen presenting cells	5.95E-06	154	
Mammary	Corn					
gland	stover	Negative	neoplasia of tumor cell lines	5.95E-06	154	
Mammary	Corn					
gland	stover	Negative	immediate hypersensitivity	5.96E-06	155	
Mammary	Corn					
gland	stover	Negative	quantity of blastocyst	6.02E-06	26	
Mammary	Corn					
gland	stover	Negative	cell death of sensory neurons	6.03E-06	36	
Mammary	Corn	Negative	apoptosis of phagocytes	6.13E-06	95	

gland	stover				
Mammary	Corn				
gland	stover	Negative	abdominal carcinoma	6.14E-06	2589
Mammary	Corn				
gland	stover	Negative	metastasis of cells	6.18E-06	123
Mammary	Corn				
gland	stover	Negative	apoptosis of T lymphocytes	6.28E-06	137
Mammary	Corn				
gland	stover	Negative	metabolism of DNA	6.29E-06	191
Mammary	Corn				
gland	stover	Negative	quantity of trophoblast cells	6.30E-06	25
Mammary	Corn				
gland	stover	Negative	synthesis of terpenoid	6.31E-06	138
Mammary	Corn				
gland	stover	Negative	cell death of skin	6.31E-06	56
Mammary	Corn				
gland	stover	Negative	migration of vascular smooth muscle cells	6.31E-06	56
Mammary	Corn				
gland	stover	Negative	apoptosis of hepatocytes	6.37E-06	69
Mammary	Corn				
gland	stover	Negative	muscular hypertrophy	6.46E-06	102

Figure S1. A working hypothesis of mechanism through which quality of forage affects amino acids and energy metabolism function in dairy cows, suggesting roles that could be played by microRNAs (miRNAs). *Note:* positively-associated miRNAs (positively correlated with nitrogen efficiency and feed efficiency or negatively correlated with milk urea nitrogen content) and differentially expressed (DE, AL vs RS or (and) AL vs CS) in cows fed AL is indicated by (+) while negative-associated miRNAs (negatively associated with nitrogen efficiency and efficiency or positively associated with milk urea nitrogen content) and differentially expressed (DE, AL vs RS or (and) AL vs CS) in cows fed AL is indicated by (-). The molecular flows are indicated by slender arrows. Bolded solid arrows indicate increase (up) and decrease (down) for either molecules quantity or expression of miRNA. Broken line indicates certain metabolites regulate biological process of molecules.

Abbreviations: AL= alfalfa hay diet; RS= rice straw diet; CS= corn stover diet; RDP= rumen degradable protein; AAs= amino acids; MCP= microbial crude protein; VFAs= volatile fatty acids; RUP= rumen undegradable protein.



→ Metabolites flow

↑ Up-regulated



Metabolites

Targeting

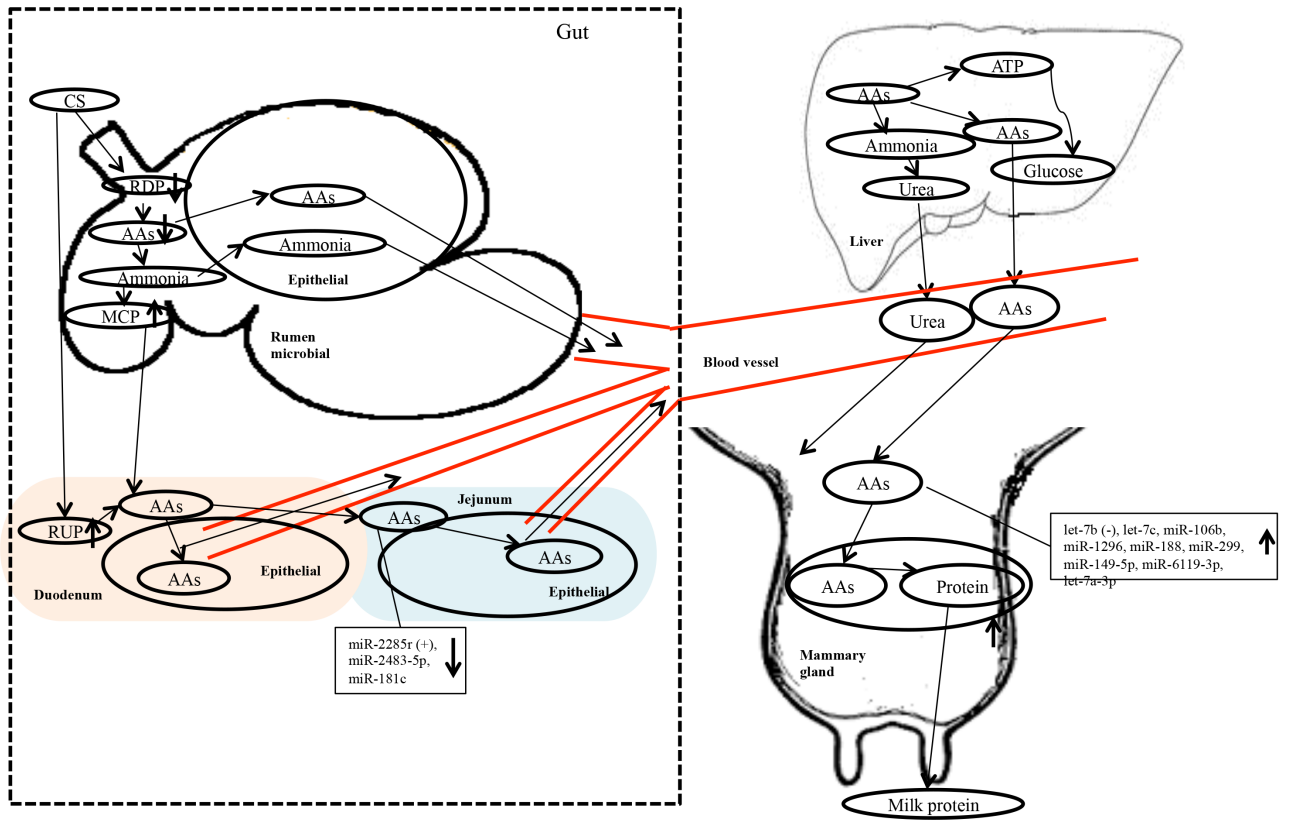
↓ Down-regulated

(+) miRNAs that were positively correlated with N efficiency

(-) miRNAs that were negatively correlated with N efficiency

Figure S2. A working hypothesis of mechanism through which quality of forage affects amino acids and energy metabolism function in dairy cows, suggesting roles that could be played by microRNAs (miRNAs). *Note:* positively-associated miRNAs (positively correlated with nitrogen efficiency and feed efficiency or negatively correlated with milk urea nitrogen content) and differentially expressed (DE, AL vs RS or (and) AL vs CS) in cows fed AL is indicated by (+) while negative-associated miRNAs (negatively associated with nitrogen efficiency and efficiency or positively associated with milk urea nitrogen content) and differentially expressed (DE, AL vs RS or (and) AL vs CS) in cows fed AL is indicated by (-). The molecular flows are indicated by slender arrows. Bolded solid arrows indicate increase (up) and decrease (down) for either molecules quantity or expression of miRNA. Broken line indicates certain metabolites regulate biological process of molecules.

Abbreviations: AL= alfalfa hay diet; RS= rice straw diet; CS= corn stover diet; RDP= rumen degradable protein; AAs= amino acids; MCP= microbial crude protein; VFAs= volatile fatty acids; RUP= rumen undegradable protein.



→ Metabolites flow

↑ Up-regulated



Metabolites

---> Targeting

(+) miRNAs that were positively correlated with N efficiency

↓ Down-regulated

(-) miRNAs that were negatively correlated with N efficiency