-	-			,	,	
id	source	term_id	term_name	term_size	intersection_size	p_value
		GO:0008017 GO:0015631	microtubule binding tubulin binding	95 116	73	1.2e-23 1.9e-19
		GO:0008092	cytoskeletal protein binding	205	104	6.0e-19
4	GO:MF	GO:0003777	microtubule motor activity	56	43	2.8e-16
		GO:0003774	cytoskeletal motor activity	72	46	1.5e-12
		GO:0007017 GO:0007018	microtubule-based process microtubule-based movement	136 57	43	1.7e-12 1.1e-11
		GO:0007018 GO:0007049	cell cycle	273	123	2.2e-09
9	GO:CC	GO:0099081	supramolecular polymer	94	54	1.0e-05
		GO:0015630	microtubule cytoskeleton	106	60	1.0e-05
		GO:0005874	microtubule	92	54	1.0e-05
		GO:0099512 GO:0099513	supramolecular fiber polymeric cytoskeletal fiber	94	54	1.0e-05 1.0e-05
		GO:0005856	cytoskeleton	158	80	1.9e-05
15	GO:BP	GO:0000280	nuclear division	70	39	3.6e-05
		GO:0007010	cytoskeleton organization	146	67	3.6e-05
		GO:0022402 GO:0051301	cell cycle process cell division	180 143	79 57	3.6e-05 8.7e-05
		GO:0099080	supramolecular complex	119	61	2.3e-04
20	GO:BP	GO:0051321	meiotic cell cycle	60	33	3.3e-04
		GO:0140013	meiotic nuclear division	45	27	3.3e-04
		GO:1903046 GO:0000226	meiotic cell cycle process	53 56	30	3.9e-04 4.3e-04
		GO:0000226 GO:0032392	microtubule cytoskeleton organization DNA geometric change	33	11	4.3e-04 5.6e-04
		GO:0032508	DNA duplex unwinding	33	11	5.6e-04
		GO:0006270	DNA replication initiation	18	8	9.7e-04
		GO:0043531	ADP binding	712	45	1.0e-03
		GO:0000278 GO:0003678	DNA helicase activity	59 29	9	1.1e-03 1.4e-03
		GO:1903047	mitotic cell cycle process	47	26	1.7e-03
		GO:1902850	microtubule cytoskeleton organization involved in mitosis	8	8	1.9e-03
		GO:0090224	regulation of spindle organization	8	8	1.9e-03
		GO:0060236 GO:0007052	regulation of mitotic spindle organization mitotic spindle organization	8	8	1.9e-03 1.9e-03
		GO:0007052 GO:0048285	organelle fission	91	42	2.0e-03
		GO:0030527	structural constituent of chromatin	40	16	2.1e-03
		GO:0000911	cytokinesis by cell plate formation	22	10	2.3e-03
		GO:0000910	cytokinesis	27	11	2.9e-03
		GO:0019953 GO:0007051	sexual reproduction spindle organization	20	14	2.9e-03 3.1e-03
		GO:0061640	cytoskeleton-dependent cytokinesis	7	5	3.9e-03
		GO:0140527	reciprocal homologous recombination	23	15	3.9e-03
		GO:0007140	male meiotic nuclear division	15	9	3.9e-03
		GO:0007131 GO:0061982	reciprocal meiotic recombination meiosis I cell cycle process	23 32	15	3.9e-03 4.1e-03
		GO:0001902	plant-type secondary cell wall biogenesis	16	12	4.1e-03 4.1e-03
47	GO:BP	GO:0048232	male gamete generation	40	 	
				19	12	6.0e-03
	GO:BP	GO:0007127	meiosis I	28	17	6.0e-03
49	GO:BP					
49 50	GO:BP GO:BP	GO:0007127 GO:0007059	meiosis I chromosome segregation	28 73	17 34	6.0e-03 6.0e-03
49 50 51 52	GO:BP GO:BP GO:BP GO:BP GO:MF	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity	28 73 46 18 6	17 34 11 12 4	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03
49 50 51 52 53	GO:BP GO:BP GO:BP GO:BP GO:MF GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization	28 73 46 18 6	17 34 11 12 4 9	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03
49 50 51 52 53 54	GO:BP GO:BP GO:BP GO:MF GO:BP GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism	28 73 46 18 6	17 34 11 12 4	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03
49 50 51 52 53 54 55	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization	28 73 46 18 6 11 25	17 34 11 12 4 9	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03
49 50 51 52 53 54 55 56	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation	28 73 46 18 6 11 25 25	17 34 11 12 4 9 14	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03
49 50 51 52 53 54 55 56 57	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0071103	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change	28 73 46 18 6 11 25 25 9 9 52	17 34 11 12 4 9 14 14 5 5 5	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03
49 50 51 52 53 54 55 56 57 58	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0071103 GO:0045491	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process	28 73 46 18 6 11 25 25 9 9 52 34	17 34 11 12 4 9 14 14 5 5 12 18	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 1.1e-02
49 50 51 52 53 54 55 56 57 58 59	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0071103	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change	28 73 46 18 6 11 25 25 9 9 52	17 34 11 12 4 9 14 14 5 5 5	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03
49 50 51 52 53 54 55 56 57 58 59 60 61	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP GO:BP GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0071103 GO:0045491 GO:0035825	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination	28 73 46 18 6 11 25 25 9 9 52 34 30	17 34 11 12 4 9 14 14 5 5 12 18	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0071103 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032147	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.3e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032886	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of microtubule-based process	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0071103 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032147	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.3e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032886 GO:00051493	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032147 GO:0032886 GO:0051493 GO:0045132 GO:0048040 GO:0042814	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032886 GO:0051493 GO:0045132 GO:0042814 GO:0033319	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.2e-02 1.3e-02 1.6e-02 1.7e-02 1.9e-02 2.2e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:000347 GO:0035825 GO:00051513 GO:0032147 GO:0032886 GO:0051493 GO:0045132 GO:0042814 GO:0033319 GO:0033320	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process UDP-D-xylose biosynthetic process	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 1 5 5	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.2e-02 1.3e-02 1.6e-02 1.7e-02 1.9e-02 2.2e-02 2.2e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032886 GO:0051493 GO:0045132 GO:0042814 GO:0033319	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.2e-02 1.3e-02 1.6e-02 1.7e-02 1.9e-02 2.2e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:00042555 GO:0000347 GO:0071103 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0032147 GO:0032886 GO:0051493 GO:0045491 GO:0042814 GO:0042814 GO:0033319 GO:0045548	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process UDP-D-xylose biosynthetic process phenylalanine ammonia-lyase activity	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6 6	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 1	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.2e-02 1.3e-02 1.6e-02 1.7e-02 1.8e-02 1.9e-02 2.2e-02 2.3e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0051513 GO:0051493 GO:0045491 GO:0032886 GO:0045491 GO:0032886 GO:0051493 GO:0045493 GO:0045493 GO:0045494 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:004593	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'–5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process phenylalanine ammonia-lyase activity regulation of protein phosphorylation cinnamic acid metabolic process cinnamic acid biosynthetic process	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6 6 6 6 4 19 4	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 1 5 4 12 4 4	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.2e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02
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49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0051513 GO:0051493 GO:0045491 GO:0032886 GO:0045491 GO:0032886 GO:0051493 GO:0045493 GO:0045493 GO:0045494 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:0045493 GO:004593	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'–5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process phenylalanine ammonia-lyase activity regulation of protein phosphorylation cinnamic acid metabolic process cinnamic acid biosynthetic process	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6 6 6 6 4 19 4	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 1 5 4 12 4 4	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.2e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02 1.3e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:00071103 GO:0045491 GO:0035825 GO:0007143 GO:0032147 GO:0032147 GO:0032886 GO:0051493 GO:0051493 GO:0045491 GO:0033319 GO:0045859 GO:0009800 GO:0045859 GO:00071554	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process UDP-D-xylose biosynthetic process phenylalanine ammonia-lyase activity regulation of protein phosphorylation cinnamic acid metabolic process cinnamic acid biosynthetic process regulation of protein kinase activity	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6 6 6 6 4 19 4 4 19 307	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 4 12 4 12 4 12 4 12 62	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.3e-02 1.6e-02 1.6e-02 1.7e-02 2.2e-02 2.2e-02 2.3e-02 2.3e-02 2.3e-02 2.3e-02 2.4e-02
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49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:0000347 GO:0071103 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0051513 GO:0042814 GO:0042814 GO:0042814 GO:0033319 GO:0042814 GO:0033320 GO:0045548 GO:0001932 GO:0009803 GO:0009803 GO:0009803 GO:00042873 GO:0042973 GO:0007292 GO:0007192	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of microtubule-based process regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process UDP-D-xylose metabolic process UDP-D-xylose iosynthetic process phenylalanine ammonia-lyase activity regulation of protein phosphorylation cinnamic acid metabolic process cinnamic acid biosynthetic process regulation of protein kinase activity cell wall organization or biogenesis glucan endo-1,3-beta-D-glucosidase activity female gamete generation regulation of unidimensional cell growth chromosome organization involved in meiotic cell cycle	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6 4 19 4 4 19 307 33 7 10 17	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 4 12 4 12 4 12 4 12 62 16 5 1 11	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.6e-02 1.6e-02 1.7e-02 1.8e-02 2.2e-02 2.2e-02 2.3e-02 2.3e-02 2.3e-02 2.3e-02 2.4e-02 2.5e-02 2.5e-02 2.9e-02
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0007059 GO:0006261 GO:0045492 GO:0043138 GO:0070507 GO:0022412 GO:0007276 GO:0042555 GO:000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0051513 GO:0045491 GO:0032886 GO:0051493 GO:0045493 GO:0045493 GO:0045494 GO:0045494 GO:0045494 GO:005154 GO:0045493 GO:0045493 GO:0045493 GO:0045494 GO:0045493 GO:0045493 GO:0045548 GO:0045548 GO:0045548 GO:00071554 GO:0042973 GO:0007292 GO:00051510	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process UDP-D-xylose biosynthetic process phenylalanine ammonia-lyase activity regulation of protein phosphorylation cinnamic acid metabolic process regulation of protein kinase activity regulation of protein phosphorylation cinnamic acid metabolic process cinnamic acid biosynthetic process regulation of protein kinase activity cell wall organization or biogenesis glucan endo-1,3-beta-D-glucosidase activity female gamete generation regulation of unidimensional cell growth	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6 6 6 4 19 4 4 19 307 33 7 10	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 4 12 4 12 4 12 4 12 62 16 5 1	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.6e-02 1.6e-02 1.7e-02 1.8e-02 2.2e-02 2.2e-02 2.3e-02 2.3e-02 2.3e-02 2.4e-02 2.5e-02 2.6e-02 2.7e-02
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49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 71 72 73 74 75 76 77 78 79 80 81 82 83 84	GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:BP GO:CC GO:CC GO:CC GO:BP	GO:0007127 GO:0007059 GO:0006261 GO:00045492 GO:0043138 GO:00070507 GO:0022412 GO:0007276 GO:0042555 GO:000347 GO:0045491 GO:0035825 GO:0007143 GO:0051513 GO:0051513 GO:0045491 GO:0032886 GO:0051493 GO:0045491 GO:0032886 GO:0051493 GO:0045491 GO:0042814 GO:0033319 GO:0045491 GO:0042814 GO:0033319 GO:0045548 GO:00045548 GO:0001554 GO:00042814 GO:00042814 GO:00042814 GO:0033319 GO:00045548 GO:00045548 GO:0001932 GO:0009803	meiosis I chromosome segregation DNA-templated DNA replication xylan biosynthetic process 3'-5' DNA helicase activity regulation of microtubule cytoskeleton organization cellular process involved in reproduction in multicellular organism gamete generation MCM complex THO complex DNA conformation change xylan metabolic process homologous recombination female meiotic nuclear division regulation of monopolar cell growth activation of protein kinase activity regulation of cytoskeleton organization meiotic chromosome segregation UDP-glucuronate decarboxylase activity monopolar cell growth UDP-D-xylose metabolic process UDP-D-xylose biosynthetic process phenylalanine ammonia-lyase activity regulation of protein phosphorylation cinnamic acid metabolic process cinnamic acid metabolic process glucan endo-1,3-beta-D-glucosidase activity female gamete generation regulation of unidimensional cell growth chromosome organization involved in meiotic cell cycle nuclear chromosome segregation xylanase activity chromosome condensation regulation of cell growth	28 73 46 18 6 11 25 25 9 9 52 34 30 6 3 6 16 28 23 6 6 6 6 6 6 6 7 19 4 4 19 307 33 7 10 17 54 18 18 18 19 19 19 19 19 19 19 19 19 19	17 34 11 12 4 9 14 14 5 5 12 18 17 5 1 6 11 16 14 5 1 5 4 12 4 12 4 12 4 12 4 12 4 12 4 12 6 1 11 25 5 6 1 11 25 5 6 1 11 2 4 12 4 12 4 12	6.0e-03 6.0e-03 6.7e-03 7.5e-03 7.8e-03 8.0e-03 8.0e-03 9.6e-03 9.6e-03 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.1e-02 1.6e-02 1.6e-02 1.7e-02 1.8e-02 1.9e-02 2.2e-02 2.3e-02 2.3e-02 2.3e-02 2.3e-02 2.3e-02 2.4e-02 2.5e-02 2.5e-02 2.6e-02 2.7e-02 3.7e-02 3.7e-02 3.7e-02
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