

Table S7

Gene Ontology	Sir2/3/4	Set1	Silencing	Noise (ypd)
meiosis	5.15246	2.73747	7.88993	0.02181
meiotic cell cycle	5.15246	2.73747	7.88993	0.02181
M phase of meiotic cell cycle	5.15246	2.73747	7.88993	0.02181
plasma membrane	3.44780	3.40590	6.85370	3.48456
reproductive sporulation	0.88829	5.94299	6.83128	0.12640
sporulation (sensu Fungi)	0.88829	5.94299	6.83128	0.12640
sporulation	1.53524	5.24434	6.77958	0.09587
response to pheromone	5.60563	1.05962	6.66525	0.13674
external encapsulating structure	5.64737	1.01539	6.66277	3.49671
chitin- and beta-glucan-containing cell wall	5.64737	1.01539	6.66277	3.49671
cell wall	5.64737	1.01539	6.66277	3.49671
reproduction	3.42227	3.00400	6.42627	0.04275
cellular developmental process	1.87794	4.20617	6.08411	0.06360
cell differentiation	1.87794	4.20617	6.08411	0.06360
DNA-directed DNA polymerase activity	5.39156	0.59300	5.98456	0.02915
rRNA processing	0.00030	5.90716	5.90746	0.52297
ribosome biogenesis and assembly	0.00003	5.70717	5.70721	1.00876
meiosis I	3.93431	1.65683	5.59114	0.13173
rRNA metabolic process	0.00043	5.51490	5.51532	0.57430
oxidoreductase activity, acting on CH-OH group of donors	0.46357	4.95574	5.41930	9.88909
ribonucleoprotein complex biogenesis and assembly	0.00004	5.32963	5.32967	0.50401
meiotic recombination	3.70292	1.61086	5.31377	0.26028
sexual reproduction	4.01411	1.04259	5.05670	0.75636
conjugation	4.01411	1.04259	5.05670	0.75636
conjugation with cellular fusion	4.01411	1.04259	5.05670	0.75636
oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor	0.72268	4.32311	5.04580	8.94814
reproductive process	1.60601	3.16778	4.77379	0.01708
vitamin biosynthetic process	0.62060	4.04467	4.66528	0.82628

water-soluble vitamin biosynthetic process	0.62060	4.04467	4.66528	0.82628
response to pheromone during conjugation with cellular fusion	3.25157	1.38861	4.64017	0.33234
regulation of conjugation with cellular fusion	3.80317	0.81454	4.61771	0.31494
signal transduction during conjugation with cellular fusion	3.80317	0.81454	4.61771	0.31494
pheromone-dependent signal transduction during conjugation with cellular fusion	3.80317	0.81454	4.61771	0.31494
regulation of conjugation	3.80317	0.81454	4.61771	0.31494
vitamin metabolic process	0.26644	4.29934	4.56578	3.80698
water-soluble vitamin metabolic process	0.26644	4.29934	4.56578	3.80698
G-protein coupled receptor protein signaling pathway	2.56480	1.87018	4.43499	0.19351
reproductive process in single-celled organism	0.88600	3.54598	4.43197	0.02741
reproductive cellular process	0.88600	3.54598	4.43197	0.02741
nucleolus	0.00256	4.06201	4.06457	0.62628
secondary active transmembrane transporter activity	2.19286	1.82492	4.01778	2.20209