

Table 4. Significance analysis of mutation frequency for individual genes and for cohesin gene class

Passenger mutation rates*	SMC1L1	NIPBL	CSPG6	STAG3	RNF20	Cohesin genes class
External passenger rates	0.0001	0.0003	0.0344	0.0203	0.03	0.0002
SNP passenger rates	0.0049	0.0073	0.0626	0.0432	0.0569	0.0053
NS/S passenger rates	0.0468	0.0835	0.1428	0.0959	0.1375	0.2049

*Passenger mutation rates are those from Wood *et al.* (1). External, based on previous mutational analyses; SNP, based on nonsynonymous to synonymous mutation ratios observed in germ-line single nucleotide polymorphisms (SNPs); NS/S, based on nonsynonymous (NS) to synonymous (S) mutation ratios observed among somatic mutations.

1. Wood LD, *et al.* (2007) The genomic landscapes of human breast and colorectal cancers. *Science* 318:1108-1113.