

S12 Table

	Term	# Genes	% Genes	Adjusted p-value
TpA (951 genes)	1. Olfaction	49	5.2	6.1×10^{-6}
	2. Olfactory receptor activity	48	5.0	1.5×10^{-5}
	3. Detection of chemical stimulus involved in sensory perception of smell	48	5.0	5.0×10^{-5}
	4. Olfactory receptor	48	5.0	4.1×10^{-5}
	5. Olfactory transduction	50	5.3	1.3×10^{-5}
	6. Sensory transduction	58	6.1	8.5×10^{-5}
	7. G-protein coupled receptor activity	59	6.2	7.2×10^{-3}
TpC (698 genes)	1. Transcription factor activity, sequence-specific DNA binding	59	8.5	1.0×10^{-1}
	2. DNA-binding	100	14.3	7.1×10^{-1}
TpG (1,519 genes)	1. Xenobiotic metabolic process	16	1.1	9.7×10^{-1}
	2. Protease inhibitor	20	1.3	8.2×10^{-1}
TpT (238 genes)	1. Kinetochore binding	3	1.3	3.4×10^{-1}
	2. Negative regulation of transcription, DNA-templated	16	6.7	7.6×10^{-1}