

S11 Table

	Term	# Genes	% Genes	Adjusted p-value
GpA (1,005 genes)	1. G-protein coupled receptor activity	61	6.1	9.0×10^{-3}
	2. G-protein coupled receptor, rhodopsin-like	60	6.0	4.7×10^{-2}
	3. G-protein coupled receptor	68	6.8	2.0×10^{-2}
	4. Odorant binding	16	1.6	2.4×10^{-2}
	5. GPCR, rhodopsin-like, 7TM	60	6.0	4.8×10^{-2}
GpC (871 genes)	1. Calcium transport	16	1.8	4.0×10^{-2}
GpG (1,413 genes)	1. Splice variant	637	45.1	3.2×10^{-2}
GpT (282 genes)	1. IL12 and Stat4 Dependent Signaling Pathway in Th1 Development	4	1.4	1.6×10^{-1}
	2. snRNA processing	3	1.1	1.0