Table 3. Human genes, coupled G-proteins, ligands and physiological function of 3 distinct types of PGD_2 receptors.

PGD_2 receptors	**DP**	**CRTH2**	**FP**
Other names	DP1	DP2, GPR44, CD294	
Gene	ptgdr	ptgdr2	ptgfr
Human chromosome	Chr 14:52.27-52.28 Mb	Chr 11:60.85-60.86 Mb	Chr 1:78.3-78.54 Mb
Coupled G protein	Gs	Gi	Gq
Agonists	BW245C	13,14-dihydro-15-keto PGD_2	$PGF_{2\alpha}$, AL8810
Antagonists	BWA868C	Cay10471	Fluprostenol
	ONO4127Na	OC000459	
Physiological function	Regulation of sleep, pain, food intake, mast cell maturation Sertoli cell differentiation, and others.	Myelination of PNS, chronic stress-induced depression, adipocyte differentiation, inhibition of hair follicle neogenesis and others.	Dexamethasone-induced cardioprotection.