

O = Ortholog

P1, P2 = Paralog

N = not present

Family	Classes	Gene	Mammalia	Vertebrata	Deuterostomia / Chordata	Protosomata	Pseudocoelomata	Fungi	Kinetoplastids	Viridiplantae	Apicomplexa	Protists
PI3K	Class I	PIK3CB	O	O	P1	P1	P1	N	P1	N	N	P1
		PIK3CD	O	O								
		PIK3CA	O	O	P2							
		PIK3CG	O	O								
	Class II	PIK3C2A	O	O	P1	P1	P1	N	N	N	N	N
		PIK3C2B	O	O								
		PIK3C2G	O	O								
	Class III	PIK3C3	O	O	O	O	O	O	O	O	O	N
	Class IV	PIK4CB	O	O	O	O	O	O	O	O	O	
		PIK4CA	O	O	O	O	O	O	O	O	O	
PI4K	PI4K Class II	PI4K2A	O	O	P1	P1	P1	P1	N	P1	P1	N
		PI4K2B	O	O								
PIP5K	PIP5K1	PIP5K1C	O	O	P1	P1	P1	P1	P1	P1	P1	P1
		PIP5K1A	O	O								
		PIP5K1B	O	O								
	PIP4K2	PIP4K2B	O	O	P1	P1						
		PIP4K2A	O	O								
		PIP4K2C	O	O								
	PIP5K3	PIP5K3	O	O	O	O	O	O	O	N	N	O
	Total Gene No.		19	19	10	9	8	6	6	5	5	3