

Table S1

PIP line #	Protein	Domain	Species	PIP	In vitro Ref	Ref of template DNA	X	In planta localization Arabidopsis root
1	HRS	FYVE	Mouse	PI3P	Burd and Emr 1998; Simonsen et al. 1998	Gillooly et al., 2000	1x	Late endosome - cytoplasm (weak binding to endosomes)
2	AtPH1	PH	Arabidopsis	PI3P	Dowler et al. 2000	This study	1x	Cytosol
3	p40	PX	Human	PI3P	Kanai et al. 2001	Kanai et al., 2001	1x	Late endosome - tonoplast
4	OSH2	PH	Human	PI4P	Yu et al. 2004	Roy and Levine 2004	1x	Not stable
5	FAPP1	PH	Yeast (Sc)	PI4P	Dowler et al. 2000	Levine and Munro 2002	1x	PM – Golgi - post-Golgi/endosomal – weak cytoplasm
6	Atg26	GRAM	P. pastoris	PI4P	Yamashita et al. 2006	Farré et al., 2007	1x	Not stable
7	OSBP	PH	Human	PI4P	Dowler et al. 2000	Levine and Munro 2002	1x	PM and weak cytoplasm
8	ING2	ING	Human	PI5P	Gozani et al. 2003	Gozani et al., 2003	3x	Nucleus
9	p47	PX	Human	PI(3,4)P ₂	Kanai et al. 2001	Kanai et al., 2001	1x	Cytosol
10	TAPP1	PH	Human	PI(3,4)P ₂	Dowler et al. 2000	Marshall et al, 2002	1x	Cytosol
11	TAPP2	PH	Mouse	PI(3,4)P ₂	Dowler et al. 2000	Marshall et al, 2002	1x	Cytosol
12	Ent3p	ENTH	Yeast (Sc)	PI(3,5)P ₂	Friant et al. 2003	Friant et al., 2003	1x	Cytosol/Nucleus
13	Ent5p	ENTH	Yeast (Sc)	PI(3,5)P ₂	Eugster et al., 2004	Eugster et al., 2004	1x	Not stable
14	PLCδ1	PH	Rat	PI(4,5)P₂	Lemmon et al. 1995	Levine and Munro 2002	1x	PM - cytoplasm (strong cytoplasm, weak PM)
15	TUBBY	TUBBY-C	Human	PI(4,5)P₂	Santagata et al. 2001	Santagata et al, 2001	1x	PM – nucleus - weak cytoplasm
16	AKT	PH	Human	PI(3,4)P ₂ /PI(3,4,5)P ₃	Franke et al. 1997	Kwon et al., 2007	1x	Not stable in planta
17	BTK	PH	Human	PI(3,4,5)P ₃	Salim et al. 1996; Rameh et al. 1997	Johannessen et al., 2010	1x	Cytoplasm
18	HRS	FYVE	Mouse	PI3P	Gillooly et al., 2000	Gillooly et al., 2000	2x	Late endosome – tonoplast in some cells
19	AtPH1	PH	Arabidopsis	PI3P		This study	2x	Not stable
20	OSH2	PH	Human	PI4P		Levine and Munro 2002	2x	Not stable
21	FAPP1	PH	Yeast (Sc)	PI4P	Godi et al. 2004	This study	2x	PM – weak endosomal
22	Atg26	GRAM	P. pastoris	PI4P		This study	2x	Not stable
23	OSBP	PH	Human	PI4P		This study	2x	Not stable in planta
24	PLCδ1	PH	Rat	PI(4,5)P₂		Levine and Munro 2002	2x	PM (strong PM, weak cytoplasm)
25	TUBBY	TUBBY-C	Human	PI(4,5)P ₂		This study	2x	Not stable in planta

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