

Figure S2. Conservation and divergence of structural features required for modulation by regulatory subunits

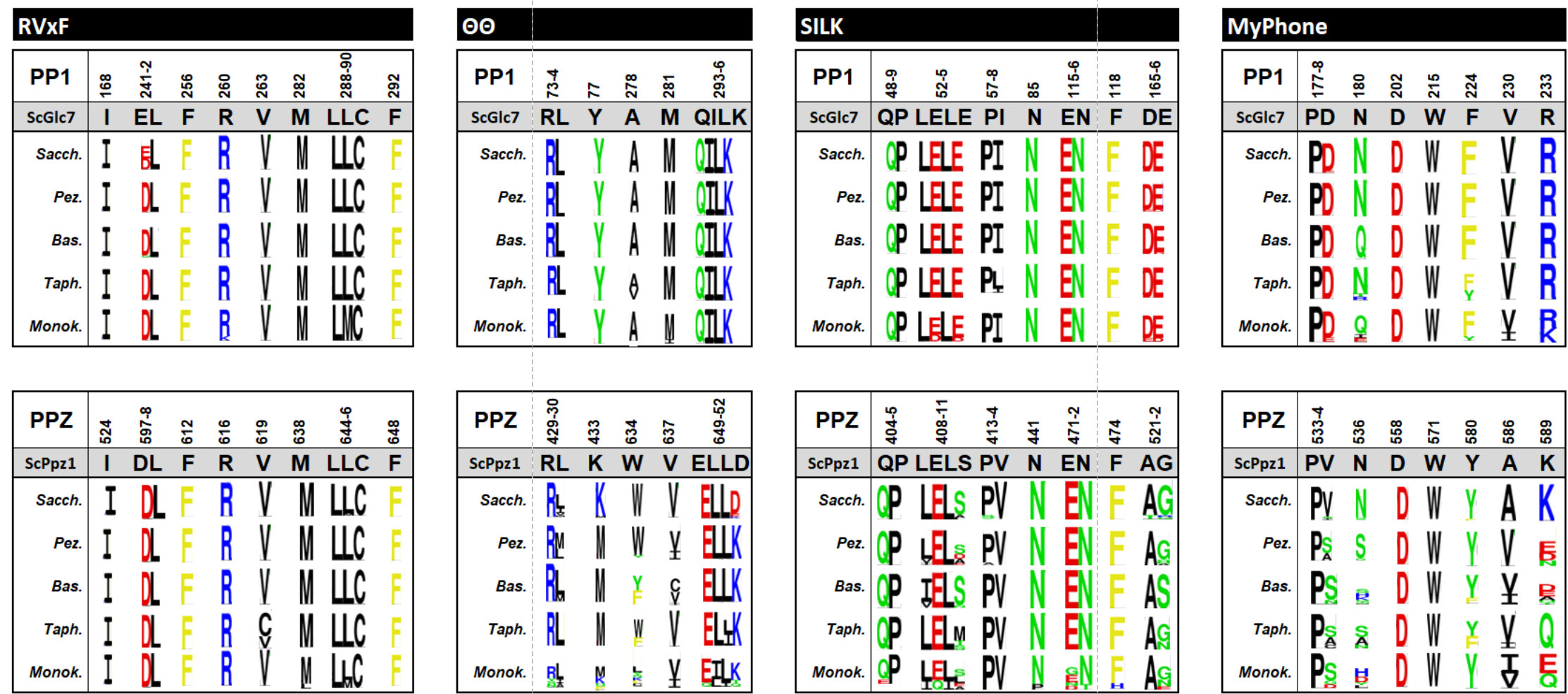


Figure S2. (cont.)

NIPP-1												
PP1	42	149	153	156	178	180-1	183-4	187-93	195-8	200		
ScGlc7	R	K	D	N	D	NS	EQ	RVMRPTD	PDVG	L		
Sacch.	R	K	D	N	D	NS	EQ	RVMRPTD	PDVG	L		
Pez.	R	K	D	N	D	NS	EQ	RVMRPTD	PDCG	L		
Bas.	R	K	D	N	D	QS	EQ	RVMRPTD	PDTG	L		
Taph.	R	K	D	N	D	NS	EQ	RVMRPTD	PDTG	L		
Monok.	R	K	D	N	D	QS	EQ	RVMRPTD	PDTG	L		

PPZ	398	505	509	512	534	536-7	539-40	543-9	551-4	556		
ScPpz1	R	K	D	N	V	NS	DE	HVVRPTD	PDFG	I		
Sacch.	R	K	D	N	V	NS	DE	HVVRPTD	PDEG	I		
Pez.	R	K	D	N	S	SH	DD	LVVRPTD	PDYG	L		
Bas.	R	K	D	N	S	SS	DD	LVVRPTD	PDYG	L		
Taph.	R	K	D	N	S	SS	DD	LVVRPTD	PDYG	L		
Monok.	R	K	D	N	S	SS	DD	LVVRPTD	PDYG	L		

Inh-2												
PP1	63	95	123-4	127-9	131-3	148	193-6	205	219-20	222	247-51	266
ScGlc7	D	R	NH	ASI	RIY	W	DIPD	W	DR	V	HQVVE	F
Sacch.	D	R	NH	ASI	RIY	W	DIPD	W	DR	V	HQVVE	F
Pez.	D	R	NH	ASI	RIY	W	DIPD	W	DR	V	HQVVE	F
Bas.	D	R	NH	ASI	RIY	W	DVPD	W	DR	V	HQVVE	F
Taph.	D	R	NH	ASI	RIY	W	DVPD	W	DR	V	HQVVE	F
Monok.	D	R	NH	ASI	RIY	W	DVPD	W	DR	V	HQVVE	F

PPZ	419	451	479-80	483-5	487-9	504	549-52	561	575-6	578	603-7	622
ScPpz1	D	R	NH	ANV	RVY	W	DVPD	W	ER	V	HMVVE	F
Sacch.	D	R	NH	ANV	RVY	W	DVPD	W	ER	V	HMVVE	F
Pez.	D	R	NH	ANV	RVY	W	DVPD	W	ER	V	HMVVE	F
Bas.	D	R	NH	ANV	RVY	W	DVPD	W	ER	V	HMVVE	F
Taph.	D	R	NH	ANV	RVY	W	DVPD	W	ER	V	HMVVE	F
Monok.	D	R	NH	ANV	RVY	W	DVPD	W	ER	V	HMVVE	F

Figure S2. (cont.)

Sds22																		
PP1	22-4	35	39	42-3	70	95-7	129-30	133	136	140-1	145-6	149	153	191	193	270	274	276
ScGlc7	KPG	R	S	RS	D	RGK	IN	Y	Y	KR	IK	K	D	P	D	N	E	D
Sacch.	KPG	R	S	RS	D	RGK	IN	Y	Y	KR	IK	K	D	P	D	N	E	D
Pez.	RPG	R	T	RE	D	RGK	IN	Y	Y	KR	IK	K	D	P	D	N	E	D
Bas.	RPG	K	T	RE	D	RGK	IN	Y	Y	KR	IK	K	D	P	D	N	E	D
Taph.	RPG	R	N	RE	D	RGK	IN	Y	Y	KR	IK	K	D	P	D	N	E	D
Monok.	RPG	R	T	RE	D	RGK	IN	Y	Y	KR	IK	K	D	P	D	N	E	D

PPZ	378-80	391	395	398-9	426	451-3	485-6	489	492	496-7	501-2	505	509	547	549	626	630	632
ScPpz1	KRT	L	I	RE	D	RGK	VT	Y	Y	KR	IK	K	D	P	D	N	E	D
Sacch.	KRT	A	I	RE	D	RGK	VT	Y	Y	KR	IK	K	D	P	D	N	E	D
Pez.	KVT	K	I	RE	D	RGK	VT	Y	Y	KR	IK	K	D	P	D	N	E	D
Bas.	KVS	T	Q	RE	D	RGK	VT	Y	Y	KR	IK	K	D	P	D	N	E	D
Taph.	KSS	V	M	RE	D	RGK	T	Y	Y	KR	IK	K	D	P	D	N	E	D
Monok.	KVS	L	H	RE	D	RGK	V	Y	Y	KR	IK	K	D	P	D	N	E	D