





### Binding residues (PbarCSP1 numbering)

**F29 V32 V34 I37 L44 Y47 V48 L51 D60 A61**

	F29	V32	V34	I37	L44	Y47	V48	L51	D60	A61
Typical CSPs	CSP1	CSP2	CSP3	CSP4				2xM		
5-helical	CSP5	V	E <sup>e</sup>	A		Q		A	V <sup>e</sup>	
Smaller pocket	CSP6				2xF <sup>e</sup>		2xM	2xF		
	CSP7		P		R <sup>e</sup>		Y	FIV		Q
	Ant-sp.				R <sup>e</sup>		YFR <sup>e</sup>	YF	EDVAS <sup>e</sup>	ALMQ
	SinvCSP	LIYF			R <sup>e</sup>	AVIES <sup>e</sup>	LVIDE <sup>e</sup>	YFI	EQLV <sup>e</sup>	EQK <sup>e</sup>

	E63	L64	N67	L68	A71	I72	D75	A82	Q83	A86
Typical CSPs	CSP1		N					ATM		AM
	CSP2		TIAHS					K		G
	CSP3		HYVHNV					RKH		IVLM
	CSP4		T				GNSD <sup>e</sup>	K		MT
5-helical	CSP5	R <sup>e</sup>	L				S <sup>e</sup>	E	E <sup>e</sup>	Q
Smaller pocket	CSP6	SYT <sup>e</sup>	2xF	IF	2xM		STKI <sup>e</sup>	KR		TMGMI
	CSP7	FY <sup>e</sup>	FML	HN		F	K <sup>e</sup>	TMVR		NG
	Ant-sp.	FT <sup>e</sup>	FYL	MIFTK	FAVIYM	FMIY	KRQN <sup>e</sup>	K		MHLNR
	SinvCSP	YKRL <sup>e</sup>		ILAKS	FI		NDK <sup>e</sup>	KT	2xR <sup>e</sup>	HNILCQ

	A87	I90	S91	L94	L105	E106	D110	Y115	R116	Y119
Typical CSPs	CSP1	A	S			E			R	
	CSP2	TS	IV			K			TSTI	
	CSP3	VAITS	IL			K			ATVS	
	CSP4	AT	I			AVMI			KR	
5-helical	CSP5	I	L			V	AVG <sup>e</sup>	-	-	-
Smaller pocket	CSP6	A	ISG		F	LVI		YHLRD <sup>e</sup>	VCMIV <sup>e</sup>	FYIL
	CSP7	YVLM	VI	Y	ML	VIM	LMI <sup>e</sup>	KN <sup>e</sup>	LMQ	TPS-
	Ant-sp.	MHLNR	ILVM	VISQAE	YF	ILF	VLI <sup>e</sup>	LVIQS <sup>e</sup>	KE <sup>e</sup>	KA
	SinvCSP	ILVM	T	YF		LIV	DNHR <sup>e</sup>	-	-	-

-  Amino acid decreased in size
-  Amino acid increased in size
-  Charge in electric change
-  Highly variable amino acid

The following conserved residues were not included in the table: D30, C76, C79 and W102.