Supplementary Information – Amino Acids:

The canonical salt-bridge of the mouse a-defensin cryptdin-4 facilitates folding and resistance to proteolytic degradation

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Supplementary Table 1: Temperature coefficients for Crp4 and analogues

	Crp4		**(E15D)-Crp4**	**(R7G)-Crp4**	**(E15G)-Crp4**	
Residue	Tc ppb/K	H/D Exch.	Tc ppb/K	Tc ppb/K	Tc ppb/K	H-bond acceptor
Leu 2	ND*		ND*	ND*	ND*	
Leu 3	-7.8		-7.6	-6.4	-8.3	
Cys 4	-6.0		-7.2	-8.8	-6.3	
Tyr 5	-7.6	S	-2.4	-4.1	-3.3	28 Cys O
Cys 6	-7.0		-7.1	-7.7	-6.6	
Arg/Gly 7	-5.2	S	-5.8	-1.3	-6.0	26 Leu O
Lys 8	-5.1		-4.9	-4.3	-4.3	
Gly 9	-5.9		-6.5	-4.3	-7.0	
His 10	-3.9		-5.4	-3.8	-4.7	8 Lys O
Cys 11	-8.3		-9.0	-8.7	-4.9	
Lys 12	-2.5		-4.9	-1.4	*	15 Glu OE
Arg 13	-9.1		-7.6	-9.0	*	
Gly 14	-7.5		-5.8	-8.6	*	
Glu/Asp/ Gly 15	-2.2	S	-2.1	-1.5	-4.1	12 Lys O
Arg 16	-4.7	S	-2.7	-1.8	-5.3	29 Cys O
Val 17	-6.9		-7.4	-6.7	-7.7	
Arg 18	-5.5	S	-4.9	-1.8	-6.4	27 Tyr O
Gly 19	-3.7		-2.6	-4.3	-2.7	27 Tyr O
Thr 20	-7.1		-8.5	-7.8	*	
Cys 21	-1.3		-3.0	-0.7	*	25 Phe O
Gly 22	-7.2		-6.8	-5.0	*	
Ile 23	-5.0		-4.4	-5.4	*	
Arg 24	-8.0		-6.7	-7.8	*	
Phe 25	-5.7		-4.5	-3.6	-5.5	22 Gly O
Leu 26	-4.1	S	-1.5	-2.4	-1.6	7 Arg O
Tyr 27	-1.4	S	-0.6	-1.5	-0.2	19 Gly O
Cys 28	-1.5	S	-2.0	-2.1	-1.1	5 Tyr O
Cys 29	-0.4	S	-2.1	-4.6	-1.3	16 Arg O
Arg 31	-5.6		-8.3	-7.8	-6.8	
Arg 32	-6.0		-5.6	-6.8	-6.2	

*Could not be determined due to poor signal intensity.