

**Table S4**

The values of calculated  $x_{\text{Gly}}(\text{X})$  at presumed point X from the data in the previous study,<sup>24</sup> and the values of  $H_{\text{GlyGly}}^{\text{E}}(\text{X})$  read off at  $x_{\text{Gly}}(\text{X})$ .

Solute	$n_{\text{H}}$	$x_{\text{S}}^0$	$x_{\text{Gly}}(\text{X})$	$H_{\text{GlyGly}}^{\text{E}}(\text{X})$
TBA		0	0.08	21.1
			0.01439	22
	(tot) 29	0.02877	0.01095	20
1P		0	0.08	21.1
			0.01652	21
	(tot) 20	0.03314	0.02433	20
Urea		0	0.08	21.5
			0.03949	21
	(tot) 0	0.06194	0.08	20
Na <sub>2</sub> SO <sub>4</sub>	+ 5.2x2	0	0.08	21.5
	- 14	0.01473	0.05007	26
	(tot) 24.4	0.02618	0.02680	29
		0.03262	0.01372	28
NaCl	+ 5.2	0	0.08	21.3
	- 2.3	0.01964	0.06665	23
	(tot) 7.5	0.03991	0.05286	23
		0.06496	0.03583	24
NaBr	+ 5.2	0	0.08	21.2

	-	0	0.02301	0.06859	23
	(tot)	5.2	0.05246	0.05398	22
			0.06986	0.04535	20
			0.08494	0.03787	18
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NaI	+	5.2	0	0.08	22.0
	-	0	0.03382	0.06323	23
	(tot)	5.2	0.04482	0.05777	22
			0.06693	0.04680	19
			0.08503	0.03783	16
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NaSCN	+	5.2	0	0.08	22.0
	-	0	0.02938	0.06543	23
	(tot)	5.2	0.04673	0.05682	21
			0.06641	0.04706	20
			0.08705	0.03682	17
			0.1111	0.02489	16

End of Table S4.