

**Table 4. Hydrogen bond interactions in the PGRP-I $\beta$ C–GMPP and PGRP-I $\alpha$ C–MPP complexes**

Atoms of GMPP or MPP		Atoms of PGRP-I $\beta$ C		Atoms of PGRP-I $\alpha$ C	
NAG	O4	R353	N $\eta$ 1		
	O5	<i>T354*</i>	<i>O<math>\gamma</math>1</i>		
	O7	T354	O $\gamma$ 1		
NAM	N2	T241	O	T209	O
	O1			T209	O
	O3	<i>T354*</i>	<i>O<math>\gamma</math>1</i>		
	O4	<i>T354*</i>	<i>O<math>\gamma</math>1</i>		
	O7			H231	N $\epsilon$ 2
	O10	Y263	O $\eta$		
ALA1	O10	Y274	O $\eta$	Y242	O $\eta$
	O			R235	N $\eta$ 2
	O	<i>R353*</i>	<i>O</i>		
GDG	O $\epsilon$ 1	D301	O $\delta$ 1	N269	N $\delta$ 2
	N	S296	O	H264	O
	O	S296	O	Y266	O
	O2	<i>R353*</i>	O		
LYS	N $\zeta$	<i>K268*</i>	O	N236	O
ALA4	O			G267	N
	O			N269	N $\delta$ 2
	O			<i>N269*</i>	<i>N</i>
ALA5	OXT	Q293	N $\epsilon$ 2		
	OXT	D302	N		
	OXT	<i>G262*</i>	O		

Alanines at GMPP or MPP positions 1, 4, and 5 are designated ALA1, ALA4, and ALA5. NAG, *N*-acetylglucosidic acid (in GMPP only); NAM, *N*-acetylmuramic acid; GDG,  $\gamma$ -D-glutamate (in GMPP) or  $\gamma$ -D-glutamine (in MPP). O2 is the carboxyl O atom of GDG.

\*Water-mediated hydrogen bonds are in italics.