

Table S6. Coordination distances and temperature factors of the divalent metal ion (M^{2+}) and its ligand atoms in the 1,5-AG complex

	1,5-AG (mouse)		1,5-AG (human)	
	Chain A	Chain B	Chain A	Chain B
	Distance (Å)			
M^{2+} -Glu18	2.1	2.2	2.3	2.3
M^{2+} -Asn154	2.1	2.2	2.1	2.1
M^{2+} -Asp204	2.1	2.3	2.3	2.3
M^{2+} -Asp104	-	-	2.4	2.4
M^{2+} -OH(2) _{1,5-AG} ^{*2}	2.2	2.1	2.4	2.4
M^{2+} -OH(3) _{1,5-AG} ^{*2}	-	-	2.5	2.4
M^{2+} -Wat1	2.2	2.2	2.3	2.3
M^{2+} -Wat2	2.5	-	-	-
	B-factor (Å ²)			
M^{2+}	16.0	24.8	21.8	19.0
Glu18	23.7	32.6	27.6	29.3
Asn154	17.0	21.0	25.1	25.5
Asp204	23.4	26.4	21.2	18.8
Asp104	-	-	21.4	19.6
OH(2) _{1,5-AG} ^{*1}	21.3	22.8	30.7	28.0
OH(3) _{1,5-AG} ^{*1}	-	-	33.5	24.6
Wat1	25.7	33.3	30.6	27.3
Wat2	34.1	-	-	-

*2 OH(2)_{1,5-AG} and OH(3)_{1,5-AG} represent a hydroxyl group at C2 and C3 of 1,5-AG, respectively.