

**Supplementary Table 1. Interface Description of Two Units in RsbR<sub>T209E</sub>ST Assembly**

Interface	Unit 1 (a-d)		Unit 2 (e-h)	
	Hydrogen Bonding	Salt Bridges	Hydrogen Bonding	Salt Bridges
Interface i	RsbR <sub>1</sub> :E195 :: RsbR <sub>2</sub> :K260	RsbR <sub>1</sub> :R223 :: RsbR <sub>2</sub> :D250	RsbS <sub>2</sub> :K70 :: RsbS <sub>3</sub> :S101	No salt bridges
		RsbR <sub>1</sub> :E195 :: RsbR <sub>2</sub> :K260	RsbS <sub>3</sub> :L71 :: RsbS <sub>3</sub> :S101	
			RsbS <sub>3</sub> :G73 :: RsbS <sub>3</sub> :S101	
Interface ii	RsbR <sub>1</sub> :E237 :: RsbS <sub>1</sub> :H37	RsbR <sub>1</sub> :E237 :: RsbS <sub>1</sub> :H37	RsbR <sub>3</sub> :R223 :: RsbS <sub>2</sub> :S101	No salt bridges
	RsbR <sub>1</sub> :N256 :: RsbS <sub>1</sub> :S40		RsbR <sub>3</sub> :L224 :: RsbS <sub>2</sub> :S101	
Interface iii	RsbS <sub>1</sub> :F96 :: RsbR <sub>2</sub> :R223	RsbR <sub>3</sub> :E248 :: RsbS <sub>3</sub> :S67	No salt bridges	RsbR <sub>3</sub> :E248 :: RsbS <sub>3</sub> :K70
	RsbS <sub>1</sub> :S101 :: RsbR <sub>2</sub> :L224			