Simulated Fidelity	
1	$\rho_1 = Z_7$
1	$\rho_2 = Z_2Z_4Z_5Z_6Z_7$
1	$\rho_3 = Z_1Z_2Z_3Z_4Z_5Z_6Z_7$
0.95	$\rho_4 = Z_1Z_2Z_3Z_4Z_5Z_6Z_7Z_8Z_9Z_{10}Z_{11}Z_{12}$
0.9511	$\rho_5 = \prod_{i=1}^{12} I_i^+ + \prod_{i=1}^{12} I_i^-$
0.8717	$\rho_6 = (A_1\, A_5\, A_6\, I_1^+ I_2^- I_3^- I_4^- I_5^+ I_6^+ I_7^- + A'_1\, A'_5\, A'_6\, I_1^- I_2^+ I_3^+ I_4^+ I_5^- I_6^- I_7^+)\lvert 00000\rangle$
0.8570	$\rho_7 = (A_1\, A_5\, A_6\, A_7\, I_2^+ I_5^- I_7^- + A'_1\, A'_5\, A'_6\, A'_7\, I_2^- I_5^+ I_7^+)\lvert 000000000\rangle$
0.8570	$\rho_8 = (A_1\, A_5\, A_6\, A_7\, B_5\, I_7^- + A'_1\, A'_5\, A'_6\, A'_7\, B'_5\, I_7^+)\lvert 00000000000\rangle$

$$I^{\pm} = I_x \pm iI_y$$

$$A_1 = \cos[2\pi(\omega_1 - O_1)/2J_{C7H5}] - i\sin[2\pi(\omega_1 - O_1)/2J_{C7H5}]$$

$$A_5 = \cos[2\pi(\omega_5 - O_1)/2J_{C7H5}] - i\sin[2\pi(\omega_5 - O_1)/2J_{C7H5}]$$

$$A_6 = \cos[2\pi(\omega_6 - O_1)/2J_{C7H5}] - i\sin[2\pi(\omega_6 - O_1)/2J_{C7H5}]$$

$$A_7 = \{\cos[2\pi(\omega_7 - O_1)/2J_{23}] + i\sin[2\pi(\omega_7 - O_1)/2J_{23}]\}^* \prod_{k=8}^{12} \{\cos[\pi J_{7k}/2J_{23}] + i\sin[\pi J_{7k}/2J_{23}]\}$$

$$B_5 = \{\cos[2\pi(\omega_5 - O_1)/2J_{27}] + i\sin[2\pi(\omega_5 - O_1)/2J_{27}]\}^* \prod_{k\neq 2,5,7} \{\cos[\pi J_{5k}/2J_{27}] + i\sin[\pi J_{5k}/2J_{27}]\}$$