group I

$$S_{110} \xrightarrow{k_{1}p} S_{010} \xrightarrow{k_{5}c} S_{000} \xrightarrow{k_{1}p} S_{100} \xrightarrow{k_{5}c} S_{110}$$

$$\downarrow k_{2} \downarrow k_{2}c \qquad \downarrow k_{4}c \qquad \downarrow k_{4}c \qquad \downarrow k_{4}c \qquad \downarrow k_{2}c \qquad \downarrow k_{5}c \qquad \downarrow k_{5}c$$