$\xrightarrow{\pm r_2}$ $\xrightarrow{\pm r_2^\star}$ $\xrightarrow{\pm r_3}$ $\xrightarrow{\pm r_3^\star}$

$\xrightarrow{\pm a_0}$ $\xrightarrow{\pm b_1}$ $\xrightarrow{\pm a_1}$ $\xrightarrow{\pm a_2}$

$\xrightarrow{\pm a_0^\star}$ $\xrightarrow{\pm b_1^\star}$ $\xrightarrow{\pm a_1^\star}$ $\xrightarrow{\pm a_2^\star}$

$\xrightarrow{\pm a_3}$ $\xrightarrow{\pm a_4}$

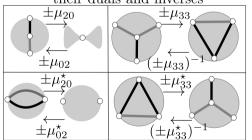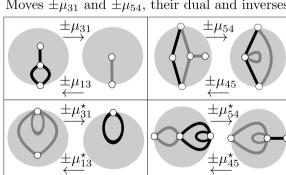$\xrightarrow{\pm a_3^\star}$ $\xrightarrow{\pm a_4^\star}$

Regular isotopy
Reidemeister moves 2 and 3
Moves $\pm\mu_{20}$ and $\pm\mu_{33}$,
their duals and inverses

Blow down of rank 0
and ribbon move
Moves $\pm\mu_{10}$ and $\pm\mu_{11}$,
their duals and inverses

Blow downs of ranks 1 and 2
Moves $\pm\mu_{31}$ and $\pm\mu_{54}$, their dual and inverses

Blink substitutes for Martelli's cable engulfing moves of ranks 2 and 3
(these are entirely new). Moves $\pm\mu_{66}$ and $\pm\mu_{99}$, their duals and inverses.