Summary of the reactions used in the TR2C model.

Reaction name	Description
pep binding to R_0	pep + R_0 $\rightleftarrows$ pep_R_0
pep binding to R_C	pep + R_C $\rightleftarrows$ pep_R_C
pep binding to R_D	pep + R_D $\rightleftarrows$ pep_R_D
pep binding to R_CD	pep + R_CD $\rightleftarrows$ pep_R_CD
pep binding to T_0	pep + T_0 $\rightleftarrows$ pep_T_0
pep binding to T_C	pep + T_C $\rightleftarrows$ pep_T_C
pep binding to T_D	pep + T_D $\rightleftarrows$ pep_T_D
pep binding to T_CD	pep + T_CD $\rightleftarrows$ pep_T_CD
ca binding to R_0 on site C	ca + R_0 $\rightleftarrows$ R_C
ca binding to R_0 on site D	ca + R_0 $\rightleftarrows$ R_D
ca binding to R_C on site D	ca + R_C $\rightleftarrows$ R_CD
ca binding to R_D on site C	ca + R_D $\rightleftarrows$ R_CD
ca binding to T_0 on site C	ca + T_0 $\rightleftarrows$ T_C
ca binding to T_0 on site D	ca + T_0 $\rightleftarrows$ T_D
ca binding to T_C on site D	ca + T_C $\rightleftarrows$ T_CD
ca binding to T_D on site C	ca + T_D $\rightleftarrows$ T_CD
ca binding to pep_R_0 on site C	ca + pep_R_0 $\rightleftarrows$ pep_R_C
ca binding to pep_R_0 on site D	ca + pep_R_0 $\rightleftarrows$ pep_R_D
ca binding to pep_R_C on site D	ca + pep_R_C $\rightleftarrows$ pep_R_CD
ca binding to pep_R_D on site C	ca + pep_R_D $\rightleftarrows$ pep_R_CD
ca binding to pep_T_0 on site C	ca + pep_T_0 $\rightleftarrows$ pep_T_C
ca binding to pep_T_0 on site D	ca + pep_T_0 $\rightleftarrows$ pep_T_D
ca binding to pep_T_C on site D	ca + pep_T_C $\rightleftarrows$ pep_T_CD
ca binding to pep_T_D on site C	ca + pep_T_D $\rightleftarrows$ pep_T_CD
Conformational transition T_0 / R_0	T_0 $\rightleftarrows$ R_0
Conformational transition T_C / R_C	T_0 $\rightleftarrows$ R_0
Conformational transition T_D / R_D	T_0 $\rightleftarrows$ R_0
Conformational transition T_CD / R_CD	T_0 $\rightleftarrows$ R_0
Conformational transition pep_T_0 / pep_R_0	pep_T_0 $\rightleftarrows$ pep_R_0
Conformational transition pep_T_C / pep_R_C	pep_T_C $\rightleftarrows$ pep_R_C
Conformational transition pep_T_D / pep_R_D	pep_T_D $\rightleftarrows$ pep_ R_D
Conformational transition pep_T_CD / pep_R_CD	pep_T_CD $\rightleftarrows$ pep_ R_CD

All listed reactions are reversible. The model for the N-lobe is formally analogous to that of TR2C.