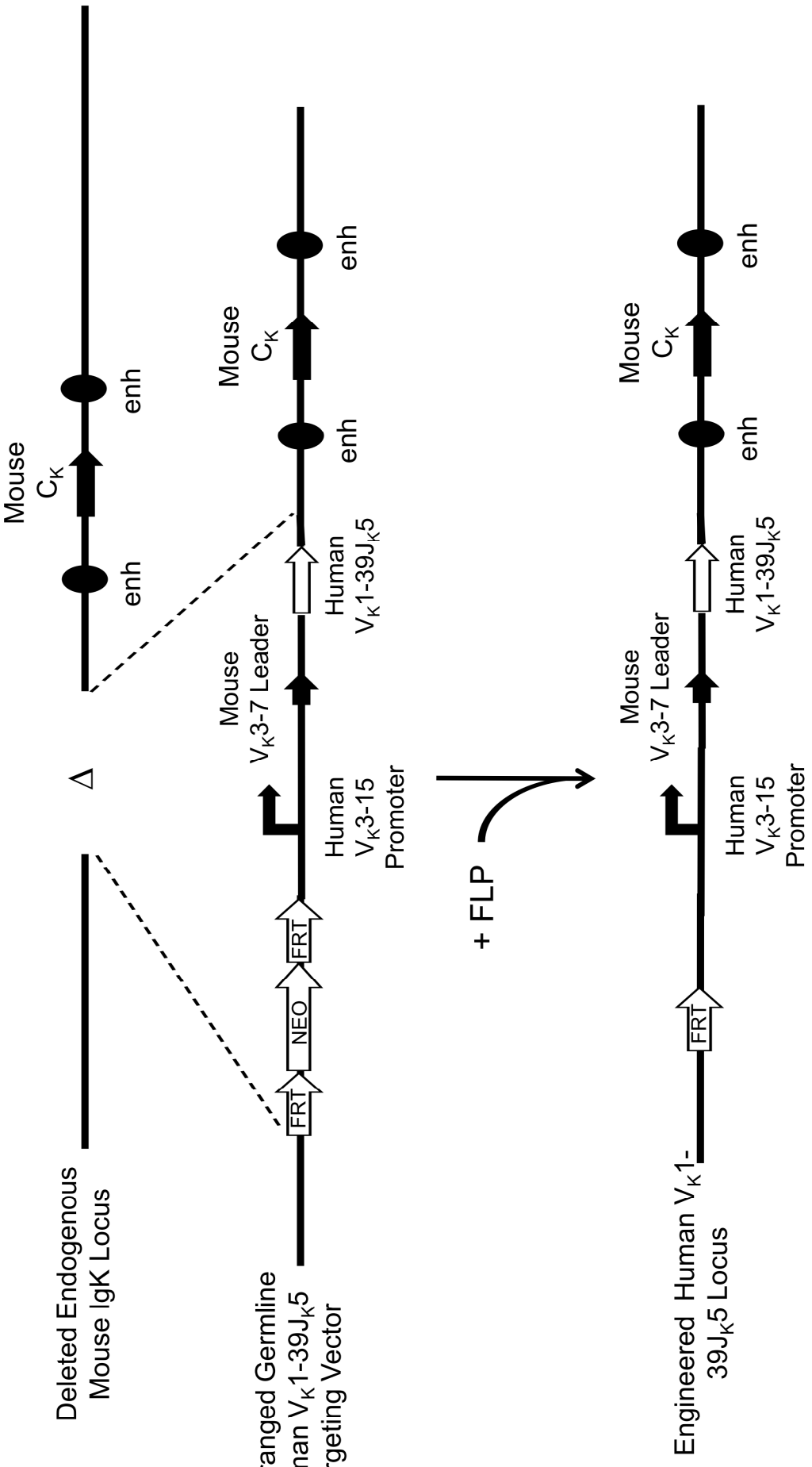

Deleted Endogenous
Mouse IgK Locus
Rearranged Germline
Human V_K1-$39J_K5$
Targeting Vector
FRT
NEO
FRT
Human
V_K3-15
Promoter
Mouse
V_K3-7 Leader
Human
V_K1-$39J_K5$
Mouse
C_K
enh
enh
Δ
+ FLP
Engineered Human V_K1-
$39J_K5$ Locus
FRT
Human
V_K3-15
Promoter
Mouse
V_K3-7 Leader
Human
V_K1-$39J_K5$
Mouse
C_K
enh
enh

Figure 1

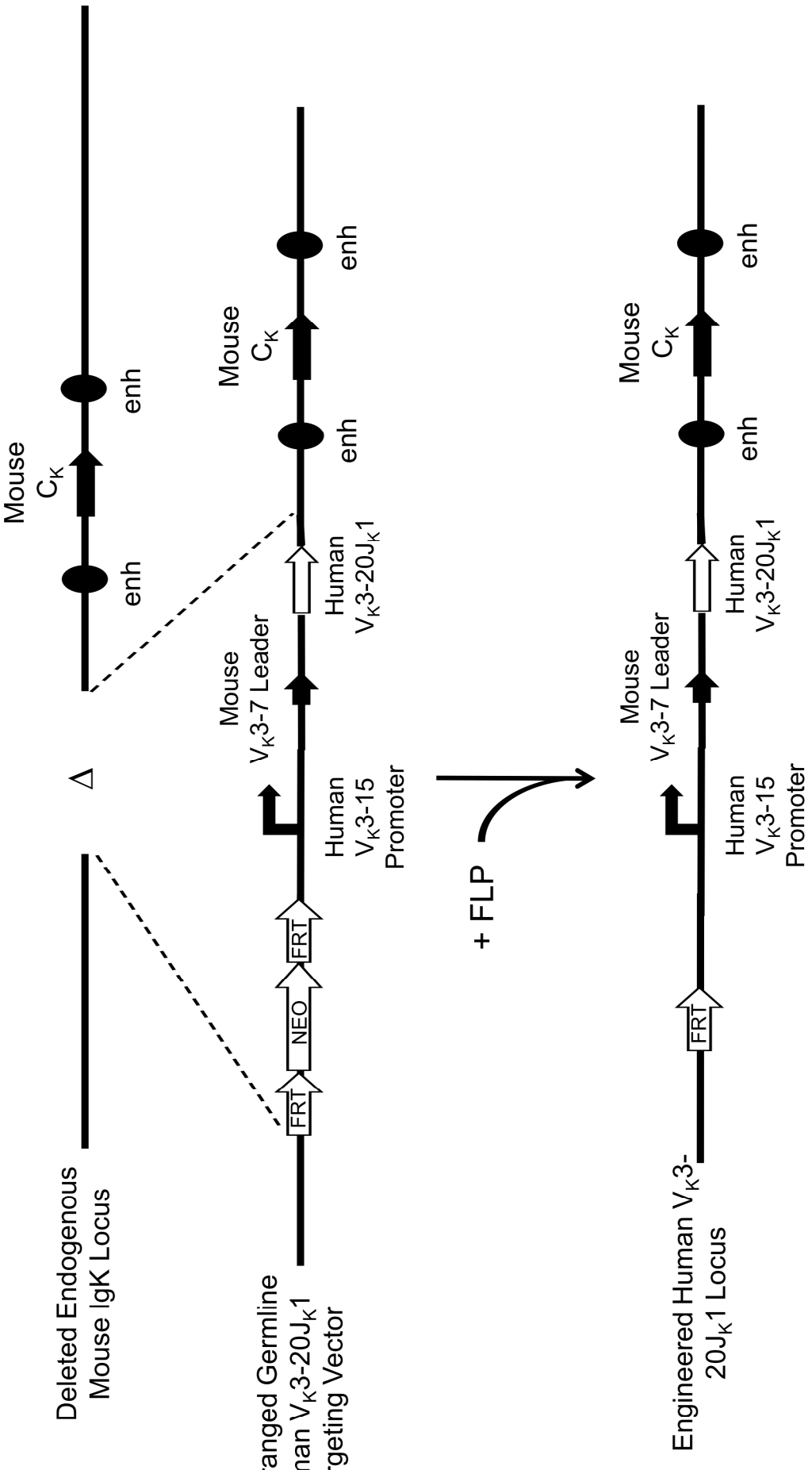

Deleted Endogenous
Mouse IgK Locus
Rearranged Germline
Human V_K3-$20J_K1$
Targeting Vector
FRT
NEO
FRT
Human
V_K3-15
Promoter
Mouse
V_K3-7 Leader
Mouse
C_K
enh
enh
Human
V_K3-$20J_K1$
Mouse
C_K
enh
enh
Δ
+ FLP
Engineered Human V_K3-
$20J_K1$ Locus
FRT
Human
V_K3-15
Promoter
Mouse
V_K3-7 Leader
Human
V_K3-$20J_K1$
Mouse
C_K
enh
enh

Figure 2

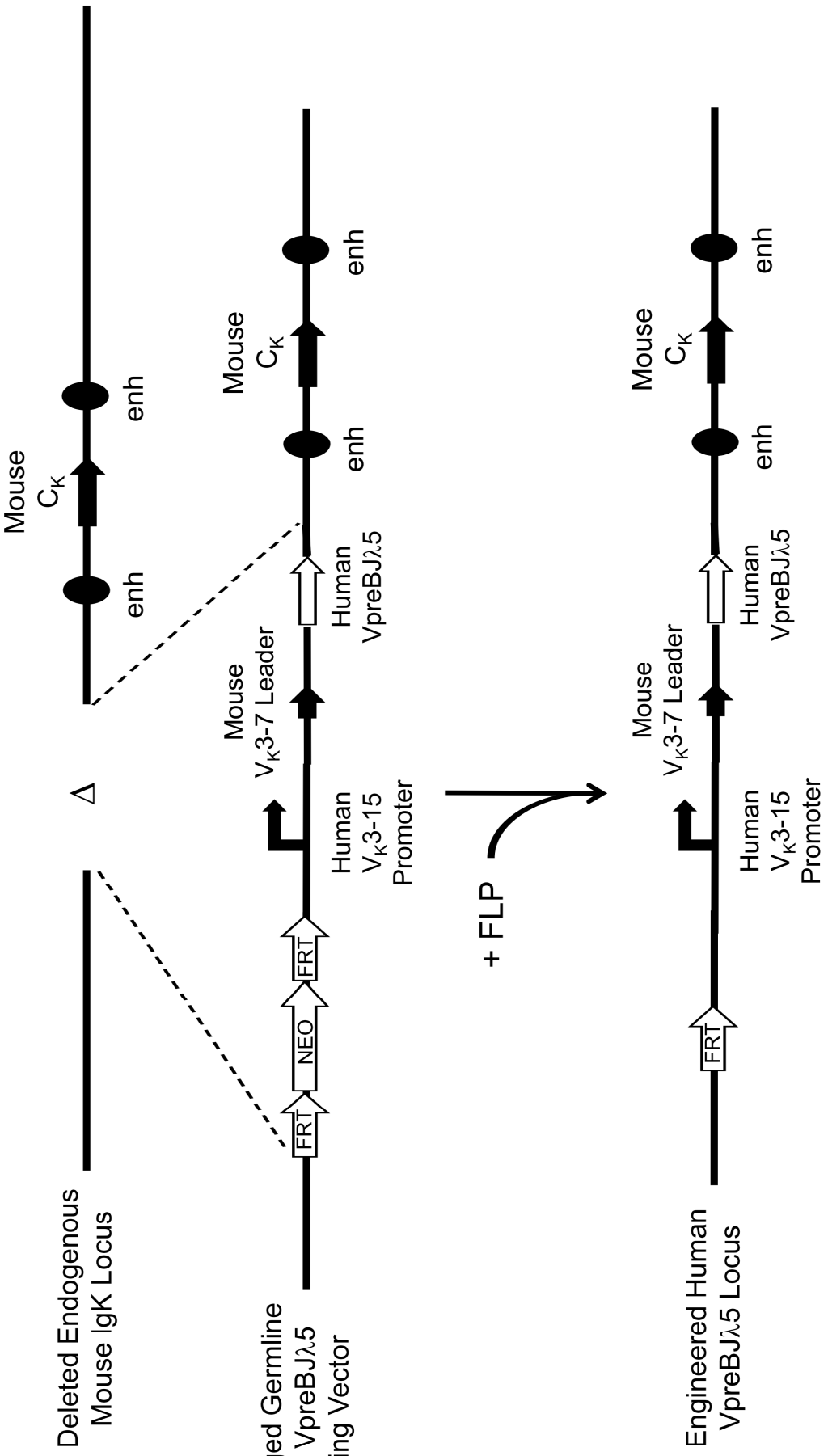

Deleted Endogenous
Mouse IgK Locus
Rearranged Germline
Human VpreBJλ5
Targeting Vector
FRT
NEO
FRT
Human
V_K3-15
Promoter
Mouse
V_K3-7 Leader
Human
VpreBJλ5
Mouse
C_K
enh
enh
Δ
+ FLP
Engineered Human
VpreBJλ5 Locus
FRT
Human
V_K3-15
Promoter
Mouse
V_K3-7 Leader
Human
VpreBJλ5
Mouse
C_K
enh
enh

Figure 3