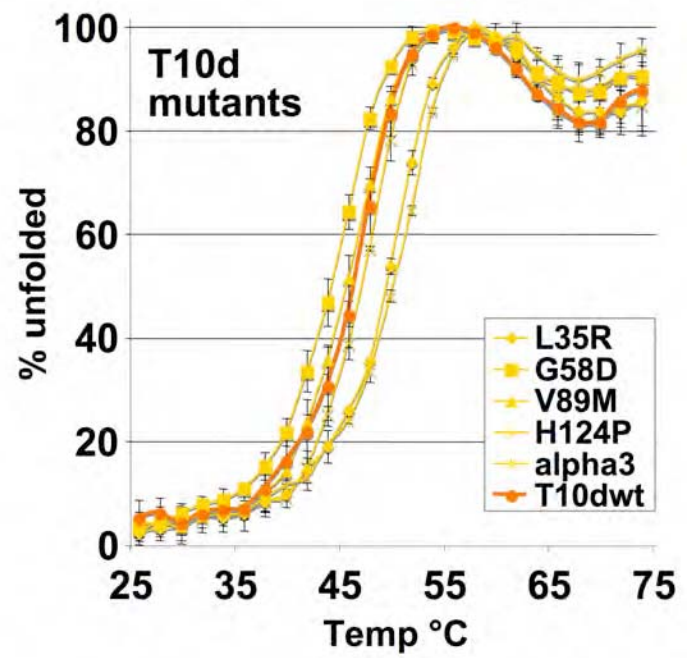
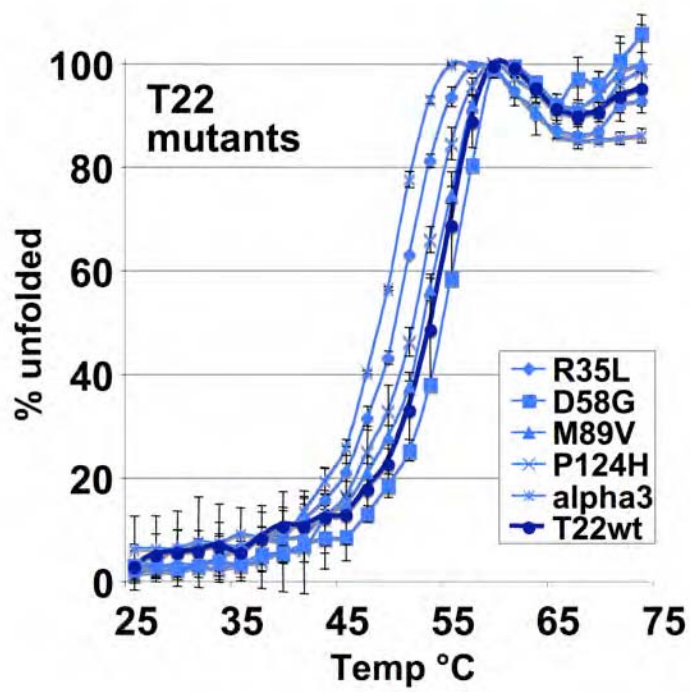


Supplementary Figure 1



Supplementary Figure 2

Supplementary Figure Legends

Supplementary Figure 1. The graft junctions of the G8 CDR3 δ and 172.10 CDR3 α are structurally compatible. Superposition of the variable domains of the G8 $\gamma\delta$ TCR (grey) and the 172 $\alpha\beta$ TCR (cyan). The overall RMSD of the variable domains of these TCRs is $\sim 1.6\text{\AA}$. The amino acid side chains of the CDR3 α and CDR3 δ loops are shown as sticks and labeled with their position and single letter amino-acid designation.

Supplementary Figure 2. Melting curves of the T22 and T10d wildtype and mutants. Left panel shows melting curves of T22 wildtype (dark blue) alongside the single position and $\alpha 3$ domain mutants (light blue). Right panel shows melting curves of T10d wildtype (orange) alongside the single position and $\alpha 3$ domain mutants (yellow). Error bars represent one standard deviation from the mean of two independent measurements.