

**Supplemental table 1.** Differential scanning calorimetry was used to determine melting temperatures for the V<sub>H</sub> and C<sub>H</sub>2 and C<sub>H</sub>3 domains of six UniAbs. The melting temperatures of the UniAb V<sub>H</sub> domains were 61.8 °C on average.

	DSC Observed Transition		
Identifier	Tm: V <sub>H</sub>	Tm: C <sub>H</sub> 2	Tm: C <sub>H</sub> 3
<b>316274</b>	59.1	66.3	69.3
<b>316833</b>	59.2	64.9	69
<b>308902</b>	61.7	65.9	68.9
<b>316232</b>	61.8	64.1	67.8
<b>308912</b>	61.9	66	68.6
<b>316829</b>	66.8	68.1	80.8