PCA Biplot of aMSH and THIQ conditions 284L 194Y 193Y 5 -188L ,51A 288T THIQ - low THIQ - high THIQ – medium Dim3 (1.9%) aMSH – low aMSH - high **5**2E 125**G** 291T 52H 129S aMSH - medium 247G 129D -5 -20 -10 10 20 -30 Dim1 (87.5%)