



**Figure S2.** Seven amino acid sites relatively conserved in olfactory receptors responsive to androstenone in binding cavity of pig OR7D4. The vertical coordinate indicates the ratio of the mean Grantham score +1 obtained from a two-by-two comparison of this amino acid site in all annotated ORs to its mean Grantham score +1 obtained from a two-by-two comparison of androstenone -positive ORs.