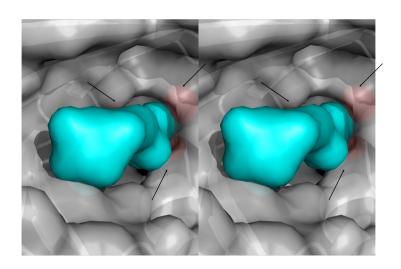
1 1 1 1 1	MGVFNYETETTSVIPAARLFKAFILDGDNLFPKVAPQAISSVENIEGNGGPGTIKKIS P MGVFNYETEATSVIPAARLFKAFILDGDNLFPKVAPQAISSVENIEGNGGPGTIKKIS P MGVFNYETEATSVIPAARLFKAFILDGDNLFPKVAPQAISSVENIEGNGGPGTIKKIS P MGVFNYESETTSVIPAARLFKAFILEGDNLIPKVAPQAISSVENIEGNGGPGTIKKIN P MGVFNYETEATSVIPAARLFKAFILDGDKLVPKVAPQAISSVENIEGNGGPGTIKKIN P MGVFNYEIETTSVIPAARLFKAFILDGDKLVPKVAPQAISSVENIEGNGGPGTIKKIN P ************************************	60 60 60 60 60	P15494 P43178 P43183 P43180 P43185 P43177	BEV1A_BETPN BEV1E_BETPN BEV1J_BETPN BEV1G_BETPN BEV1L_BETPN BEV1L_BETPN
61 61 61 61 61	EGFPFKYVKDRVDEVDHTNFKYNYSVIEGGPUGDTLEKISNEIKIVATPDGGSILKISNK EGIPFKYVKGRVDEVDHTNFKYSYSVIEGGPVGDTLEKISNEIKIVATPDGGSILKINNK EGFPFKYVKDRVDEVDHTNFKYNYSVIEGGPVGDTLEKISNEIKIVATPDGGCVLKISNK EGFPFKYVKDRVDEVDHTNFKYNYSVIEGGPVGDTLEKISNEIKIVATPDGGCVLKISNK EGFPFKYVKDRVDEVDHTNFKYNYSVIEGGPVGDTLEKISNEIKIVATPDGGCVLKISNK EGFPFKYVKDRVDEVDHTNFKYNYSVIEGGPVGDTLEKISNEIKIVATPDGGCVLKISNK EGFPFKYVKDRVDEVDHTNFKYNYSVIEGGPVGDTLEKISNEIKIVATPDGGCVLKISNK	120 120 120 120 120 120	P15494 P43178 P43183 P43180 P43185 P43177	BEV1A BETPN BEV1E BETPN BEV1J BETPN BEV1G BETPN BEV1L BETPN BEV1D BETPN
121 121 121 121 121 121	YHTKGDHEVKAEQVKASKEMGETLLRAVESYLLAHSDAYN YHTKGDHEVKAEQIKASKEMGETLLRAVESYLLAHSDAYN YHTKGDHEVKAEQIKASKEMGETLLRAVESYLLAHSDAYN YHTKGNHEVKAEQVKASKEMGETLLRAVESYLLAHSDAYN YHTKGNHEVKAEQVKASKEMGETLLRAVESYLLAHSDAYN YHTKGNHEVKAEQVKASKEMGETLLRAVESYLLAHSDAYN YHTKGNHEVKAEQVKASKEMGETLLRAVESYLLAHSDAYN ******;******************************	160 160 160 160 160 160	P15494 P43178 P43183 P43180 P43185 P43177	BEV1A_BETPN BEV1E_BETPN BEV1J_BETPN BEV1G_BETPN BEV1L_BETPN BEV1D_BETPN



Supplement Figure 1: Sequence alignment of Bet v 1 isoforms described as high IgE binding (A, E and J) and low IgE binding (G, L and D) (Ferreira et al,1996). Aromatic residues are indicated by orange background. Residues discriminating these two Bet v 1 classes are encircled in red.

Supplement Figure 2: Brassinolide (BRA) modeled into the hydrophobic pocket of Bet v 1a. The steroid backbone was aligned according to deoxycholate. Despite some degrees of freedom, docking of BRA to Bet v 1a will always result in clashes as indicated in red (arrows).