

Table S1: List of significant regions under XP-SFselect for the fly hypoxia experiments described in Zhou *et al.* (2011).

Chr	Region	XP-SFselect
2L	11895542-12055542	3.36
2R	170962-1308962	3.25
2R	1040962-21174962	4.00
3L	175762-301762	3.55
3L	763762-833762	2.85
3R	15318233-15642233*	3.58
3R	15846233-16076233*	2.73
3R	17014233-17064233	2.59
X	378615-440615	2.78
X	676615-728615*	2.60
X	1420615-1480615	2.70
X	2046615-2122615	4.77
X	2630615-2758615	3.91
X	2872615-3444615	3.89
X	4818615-4892615	3.60
X	12996615-13374615*	4.02
X	15092615-15160615	2.84
X	16110615-16160615*	2.62
X	16276615-16488615*	4.86
X	18154615-18248615	2.87
X	18564615-18686615*	2.60
X	18838615-18930615*	3.08
X	19092615-19358615*	3.74
X	20504615-20986615*	4.18
X	22064615-22412615*	4.24

*Shared with S_f