

# Figure S4

**A**

## Top enriched 6-mers in four regions relative to PAS (nt)

	-100 to -41	-40 to -1	+1 to +40	+41 to +100				
<b>PASs more used in mutant body</b>	CGCCCG	4.2	TTTCCA	6.4	GTTACC	4.2	GTGTGT	5.7
	GATCAC	3.9	CTTTCC	5.3	CTCTCT	3.8	TGTGTA	3.7
	CAGCAG	3.9	TTTTCC	5.2	AGCTGG	3.2	CTGCTG	3.4
	CACCAG	3.9	TGGCAC	5.1	CCCTTC	2.7	CACGCA	3.3
	GCGGCT	3.6	AAAAAA	5.0	CTGGTC	2.7	ACCTGC	3.1
<b>PASs less used in mutant body</b>	AAAAAA	5.9	AATAAA	32.6	ATATCT	3.9	TTTGAA	4.2
	AAACAA	5.7	ATAAAA	23.6	TTTTTA	3.7	GGTAAG	3.9
	TAAATG	5.5	TAATAA	22.8	TTATTA	3.4	GGGAAT	3.4
	AATTTA	4.6	AAATAA	22.1	TCATGG	3.2	TTTTCC	3.3
	AAAACA	4.2	TAAATA	21.2	AATTCA	3.1	TATTTG	3.3

**B**

## Top enriched 6-mers in four regions relative to PAS (nt)

	-100 to -41	-40 to -1	+1 to +40	+41 to +100				
<b>PASs more used in mutant head</b>	AAAAAA	51.5	AAAAAA	25.2	TTTTTT	4.9	AGGTGT	2.8
	AAAAAT	12.0	AAACAA	4.7	GCTTTC	4.7	GCGCCT	2.6
	TAAAAA	10.3	AAATAA	4.7	GGTCTG	3.2	GCACTA	2.4
	ATAAAA	7.3	AATAAA	4.6	TGAGAG	3.2	TTCATA	2.4
	AAAAAC	7.3	AACAAA	4.2	AAAAAA	3.2	TCGCGC	2.3
<b>PASs less used in mutant head</b>	TTTTTT	15.6	ATATAT	8.8	CCCCC	6.3	ACACAC	5.8
	GTTTTT	4.1	TATATA	7.2	TATATA	5.5	AAAAAA	4.1
	TATGAT	4.1	ATTTTT	4.5	CAAACG	3.3	CACACA	3.9
	TTGTAT	3.8	TATATT	3.5	ATATAT	3.2	TACGAC	3.2
	GCCACC	3.6	TTTGTT	3.3	CGACTC	3.1	ACCCAT	3.0

**Figure S4. Top enriched 6-mers around the PASs more used or less used in *RpII215* mutant flies. (A) Body samples. (B) Head samples. See Figure 3F for details.**