

	# sequences needed	# changes necessary to detect positive selection	Positive selection	Purifying selection	Balancing selection	Neutral expectation	Selective sweep
McDonald-Kreitman test	Several of one sp, at least one of the other	Several	$\beta > w/in$	$\beta < w/in$; one allele rare	$\beta < w/in$; more intermediate allele frequencies	$\beta = w/in$	Maybe nothing, if repeated sweeps $\beta > w/in$
dN/dS	Two, one from each spp	Many	$dN/dS > 1$ (or for lab, > 0.4)	$dN/dS < 1$	Doesn't really apply	$dN/dS = 1$	Same as MK
π and recombination rate	Two or more, from one sp	1+	If a recent sweep, low π and high recomb. If longer ago (or, I think, a soft sweep), then no signal.	Don't really see a signal, although background selection from purifying selection contributes to the correlation between π and recomb.	Might see a higher π than expected	Positive correlation between π and recomb. Low recomb, low π , high recomb, high π .	High recomb but low π .