

Table 3. Gene pairs duplicated before the divergence between *Saccharomyces cerevisiae* and *Saccharomyces bayanus* that have a small synonymous divergence (K_S) between *S. cerevisiae* paralogues as identified by Gao and Innan (1).

Gene pairs	CAI values
With completely distorted tree topology	
YHL033C / YLL045C	0.842 / 0.849
YGL135W / YPL220W	0.832 / 0.821
YBR031W / YDR012W	0.803 / 0.812
YBR009C / YNL030W	0.734 / 0.627
YHR203C / YJR145C	0.709 / 0.695
YMR186W / YPL240C	0.581 / 0.518
YDL131W / YDL182W	0.329 / 0.321
YDR312W / YHR066W	0.160 / 0.189
With partially distorted tree topology	
YBR181C / YPL090C	0.846 / 0.837
YEL034W / YJR047C	0.814 / 0.704
YBR189W / YPL081W	0.810 / 0.507
YCR031C / YJL191W	0.805 / 0.590
YHR141C / YNL162W	0.795 / 0.769
YLR029C / YMR121C	0.783 / 0.436
YFR031C-A / YIL018W	0.773 / 0.764
YGL147C / YNL067W	0.771 / 0.778
YDL083C / YMR143W	0.764 / 0.677
YDL136W / YDL191W	0.759 / 0.798
YGL031C / YGR148C	0.759 / 0.756
YBL072C / YER102W	0.747 / 0.718
YDL075W / YLR406C	0.737 / 0.630
YBR048W / YDR025W	0.733 / 0.705
YGR085C / YPR102C	0.727 / 0.781
YGR027C / YLR333C	0.716 / 0.612
YBL027W / YBR084C-A	0.708 / 0.686
YNL301C / YOL120C	0.680 / 0.812
YHL001W / YKL006W	0.680 / 0.684
YDL082W / YMR142C	0.652 / 0.742
YLR287C-A / YOR182C	0.642 / 0.748
YBL087C / YER117W	0.624 / 0.648

YBL002W / YDR224C	0.563 / 0.658
With no topology distortion	
YER074W / YIL069C	0.816 / 0.756
YJL190C / YLR367W	0.812 / 0.523
YMR230W / YOR293W	0.802 / 0.840
YDR450W / YML026C	0.775 / 0.733
YDR418W / YEL054C	0.766 / 0.605
YER056C-A / YIL052C	0.763 / 0.781
YDL061C / YLR388W	0.760 / 0.653
YDR447C / YML024W	0.757 / 0.810
YNL302C / YOL121C	0.757 / 0.794
YOR234C / YPL143W	0.730 / 0.747
YGR118W / YPR132W	0.726 / 0.789
YER131W / YGL189C	0.711 / 0.781
YDR500C / YLR185W	0.711 / 0.700
YLR441C / YML063W	0.696 / 0.769
YJL136C / YKR057W	0.693 / 0.596
YBR191W / YPL079W	0.691 / 0.733
YJL177W / YKL180W	0.680 / 0.809
YGR034W / YLR344W	0.677 / 0.631
YGR214W / YLR048W	0.668 / 0.733
YMR242C / YOR312C	0.665 / 0.697
YLR448W / YML073C	0.627 / 0.672
YMR194W / YPL249C-A	0.620 / 0.800
YIL133C / YNL069C	0.611 / 0.723
YNL096C / YOR096W	0.597 / 0.747
YJR094W-A / YPR043W	0.571 / 0.872
YLR264W / YOR167C	0.561 / 0.528

1. Gao L-z, Innan H (2004) *Science* 306: 1367-1370.