



Supplementary Figure S2. A multidimensional scaling plot of *Dictyostelium* strains based on their developmental morphology. We plotted the morphological distance between the parental strains (*AX4* and *tgrB1^{AX4}tgrC1^{QS38}*) and 23 chemically mutagenized strains carrying suppression mutations of the *tgrB1-C1* mismatch phenotype. We also measured the size of sori in fruiting bodies of individual strains as indicated by the increasing radius of the circles in the legend. We plotted *tgrB1^{AX4}tgrC1^{QS38}* as an empty circle (no fruiting bodies). The top 13 candidate genes in the screen for suppression of the *tgrB1-C1* mismatch are listed in Figure 3 and Supplementary Table 1. The colors indicate whether the individual strains carry chemically induced mutations in *rapgapB* (red), *tgrB1* (blue), any of the other 11 candidate genes (green), or none of them (grey). *AX4* and *tgrB1^{AX4}tgrC1^{QS38}* are shown in black. Numbers in the circles represent strain numbers of individual mutants.