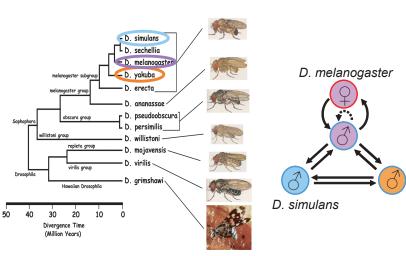
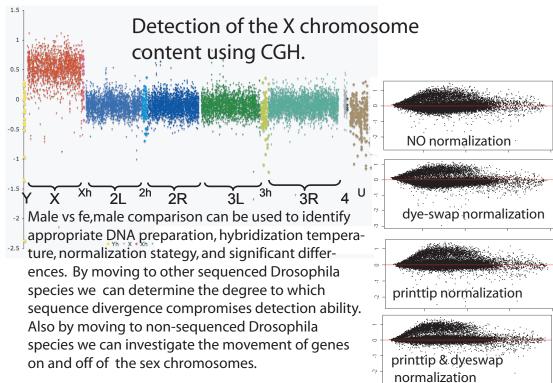
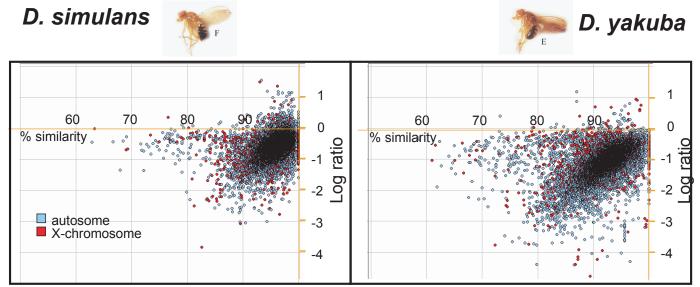
hCGH proof of principle using *Drosophila* **species** in collaboration with Rob Kulathinal (Fly Base)



Assembled genome sequence is (becoming) available for 12 *Drosophila* species.



hCGH show a linear relationship between log ratio of Hybridization and % homology



we are currently using bioinformatic approaches to identify the correlation between heterologous genominc hybridization ratio and different degrees as well as different tyeps of sequence divergence (e.g. length of homology, % homology, small deletions and insertions, GC content, presence of orthologs) Additionally we are suig gene ontology and pathway infromation to identify gene networks that may experience similar selection pressure

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