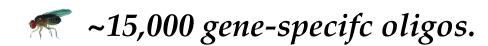
#### INDAC

- International Drosophila Array Consortium.
- Established late 2002 to generate communal array resources.
- Tnitial focus on amplicon arrays.
  - \*\* Brian & Justin- FlyGEM.
- Matterly, move towards long oligo arrays.

## Oligos

- 1st design with OligoArraySelector + Mfold.
- # 600 oligo test sets distributed.
  - \*\* Lesson coordination and experimental procedures must be very rigourously defined in advance.
- Test slides via Nimblegen, including mutant oligos.
  - Analysis underway.
- Current design:
  - OligoArray2.
  - Cross hybridisation (+ and strands).
  - Mearest Neighbour Tm (Santa-Lucia et al).
  - Mfold.

### Status



Set of control sequences:

\*\* Arabidopsis spikes, full-length degradation (Affy).

20 groups/facilities signed up for aliquots.

Marge custom synthesis considerably reduces costs.

Order before Xmas.

# Tiling Path array

- 1kb tiling path of entire euchromatic genome.
- Re-amplification tags with additional utility.
- Pilot 3Mb underway.
- Mhole genome design almost complete
- Joint USA (NIH) and UK (BBSRC) funded.

### Future?

Comparative analysis (inter-lab variation).

Expansion to encompass every exon (~56K).

\*\* Splice junctions.