

Review of Luminex Pilot 2 Results

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Protocol

- 2 serum
 - NEQAS 306/2011 - Class I
 - NEQAS 304/2011 – Class II
- Test using local and consensus method
 - 2.5µl beads
 - 10µl serum
 - Incubation 20-22°C
 - 5 X 200µl washes for both stages

Protocol

Antibodies chosen for assessment

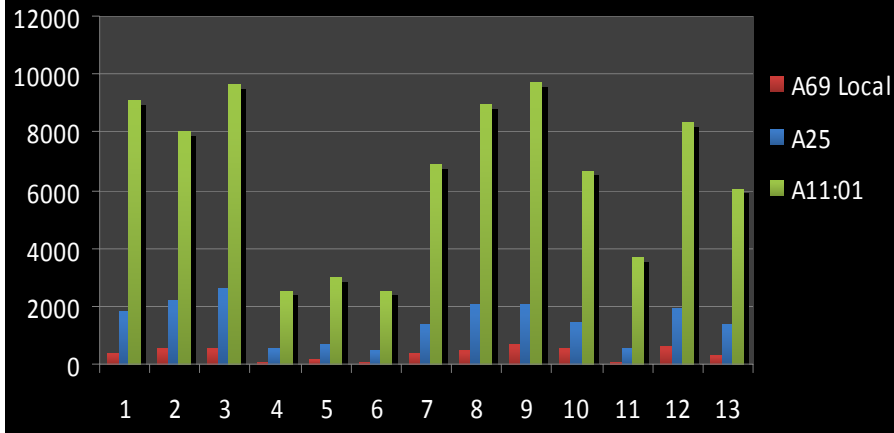
- Class I - A11, 25 & 69
 - » (Reported to NEQAS by 100, 81.6 & 12.2%)
- Class II - DRB1*03:01,04:04 & 13:01
 - » (Reported to NEQAS by 0, 100 & 53.3%)

Chosen to represent low, intermediate and high MFI

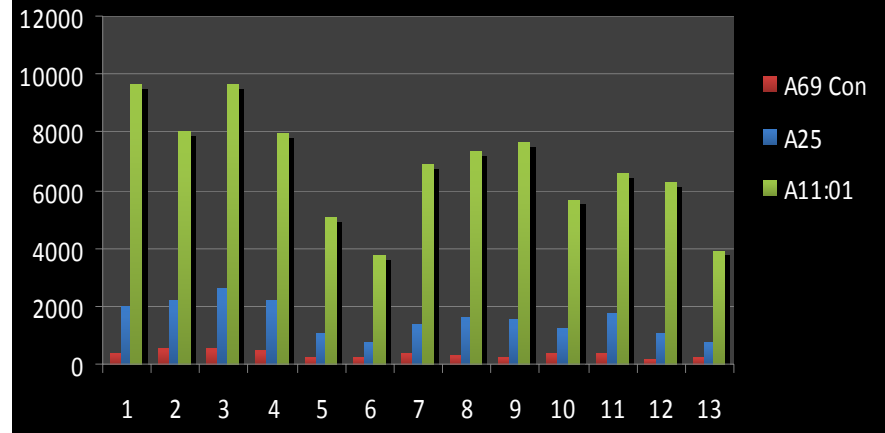
All laboratories used One Lambda SA kit same batch number

Results – Class I

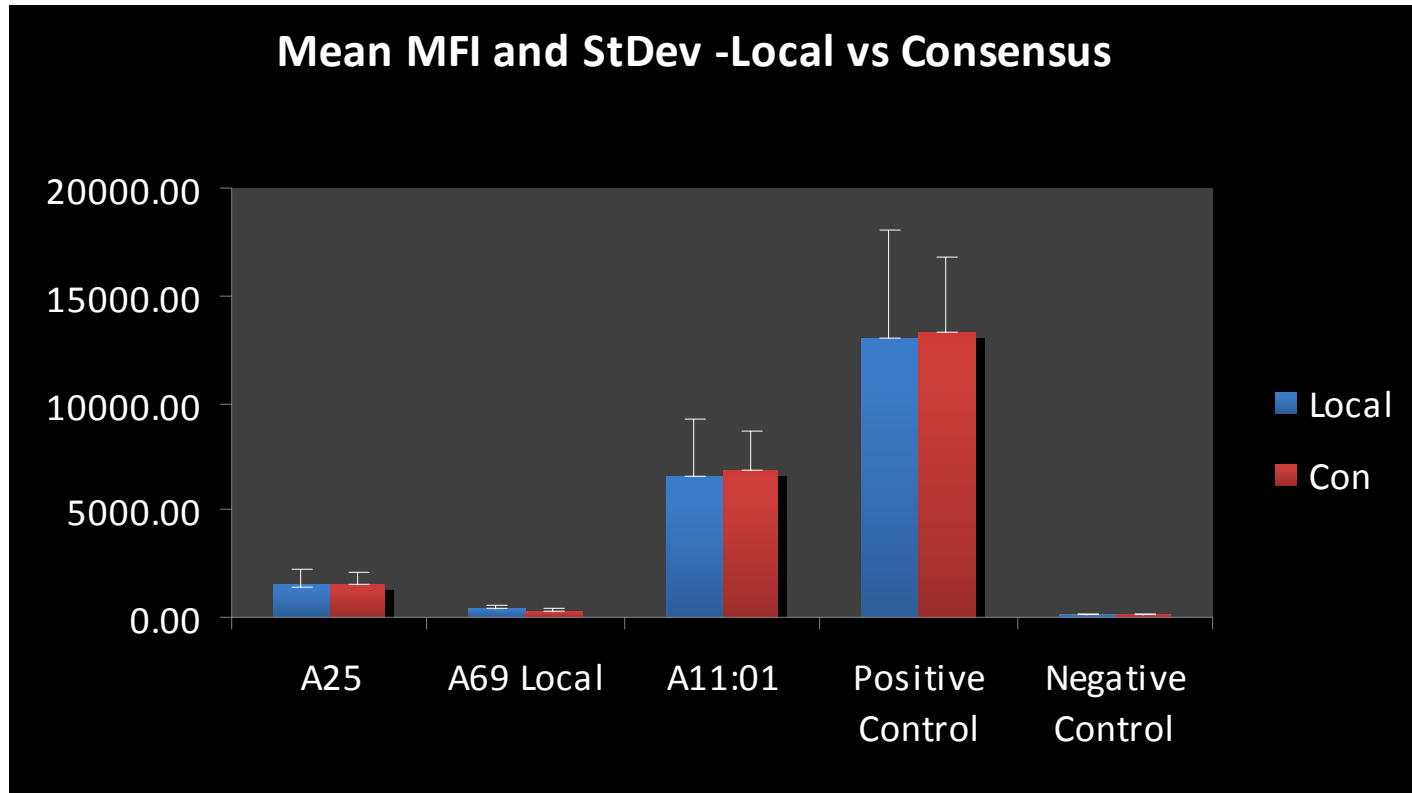
Local Method



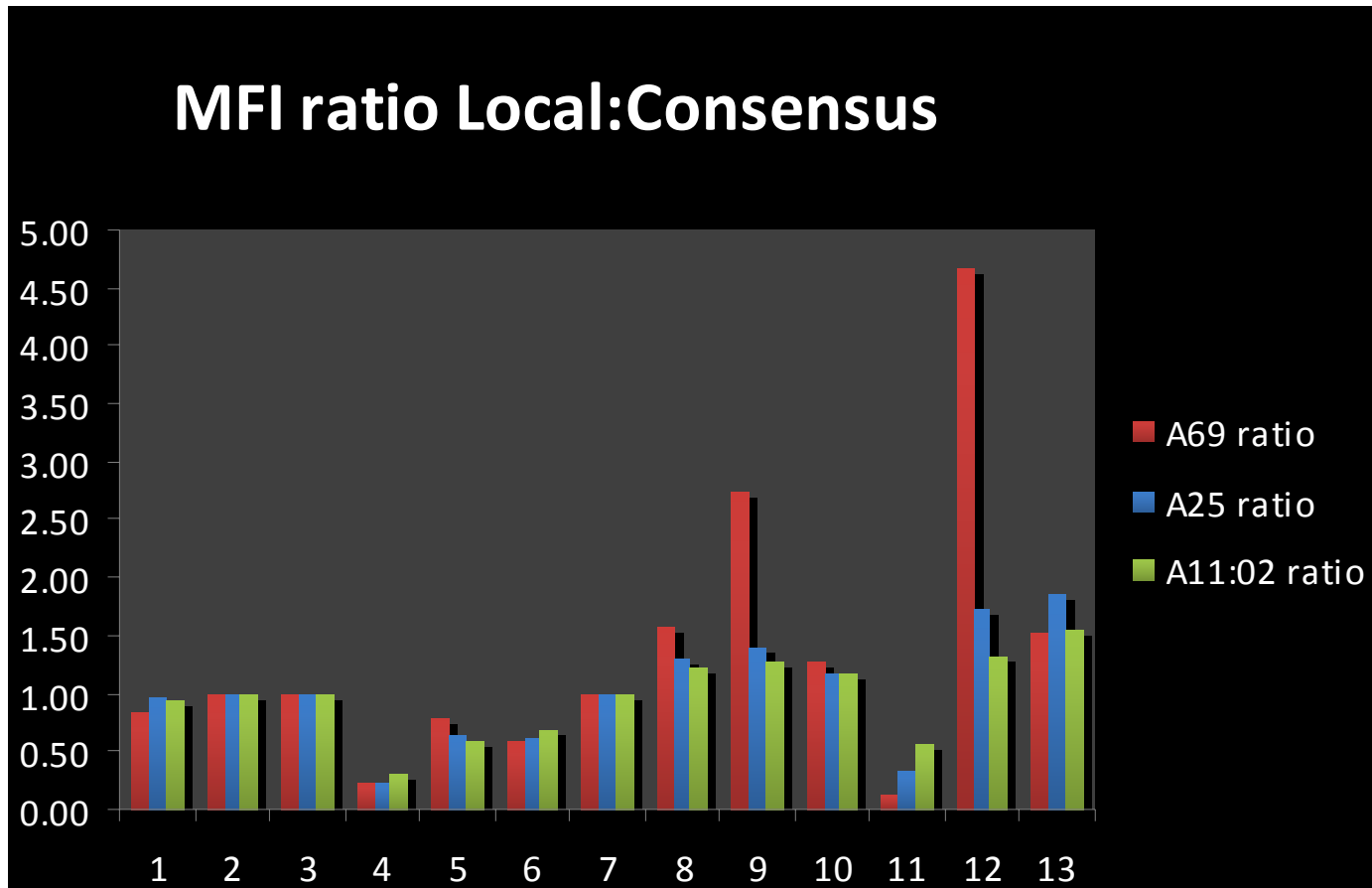
Consensus Method



Results Class I

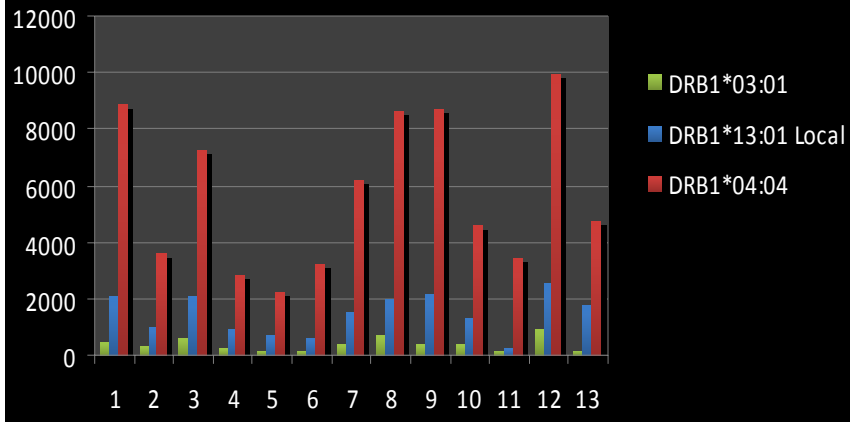


Results – Class I

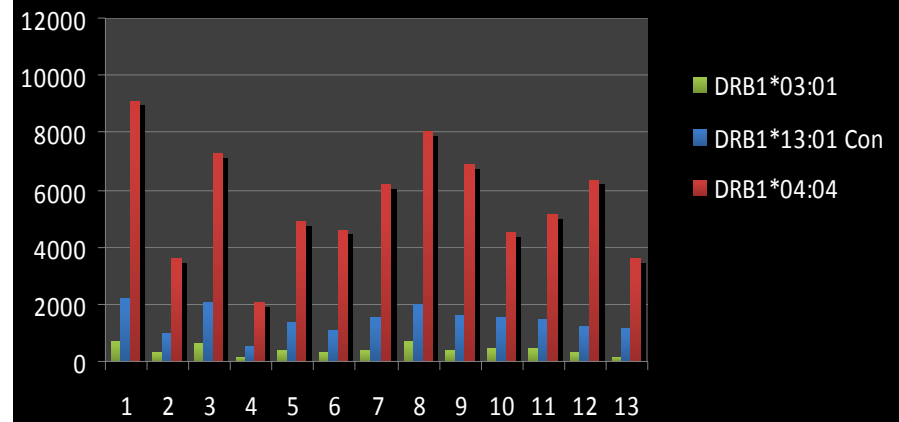


Results - Class II

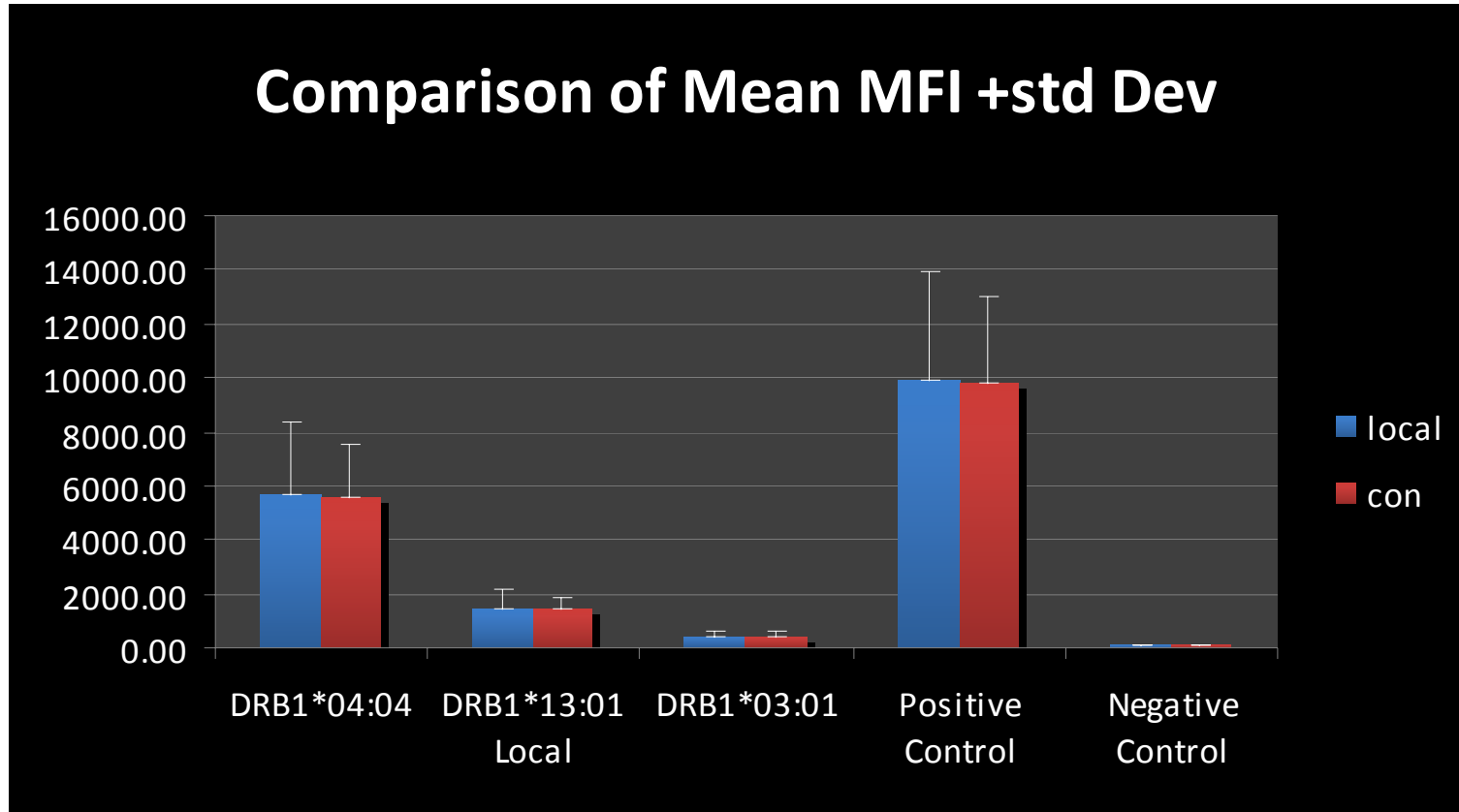
Local Method



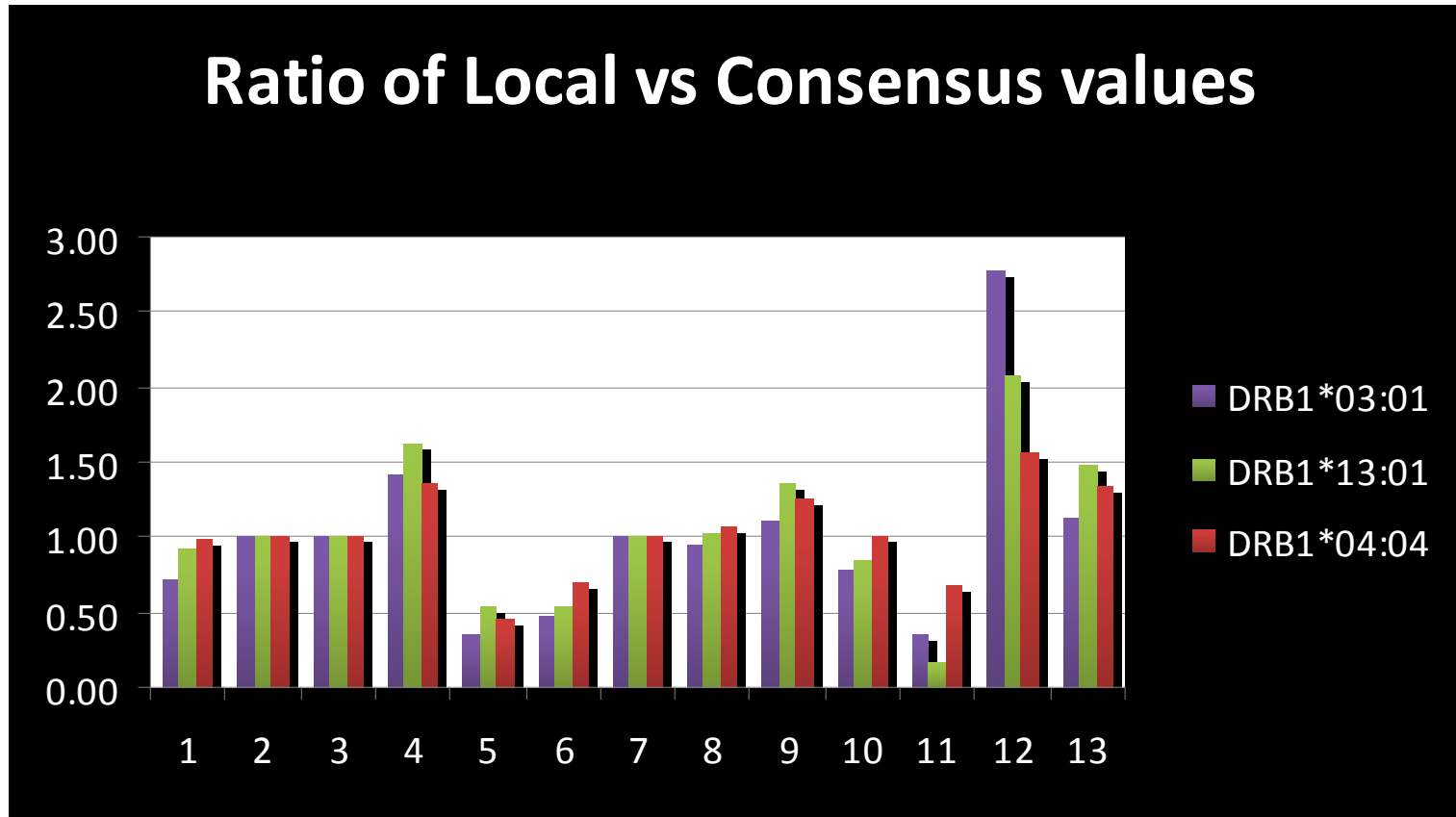
Consensus Method



Results - Class II



Results – Class II



Summary

- Did not significantly alter the 'pos' / 'neg' assignment
- Consensus method gave slightly more uniform results
- Wide variability still exists with consensus method

Questions

- Why such variation?
 - Laboratory temperature
 - Washing methodology
 - Type of filter plate
 - Machine variability (do we need to standardise)
- Should we have a standard protocol?
- Should we run the ratio data against the negative control serum?
- Do we get the same with Gen Probe?
- Should we have another pilot?
- Cut off?

