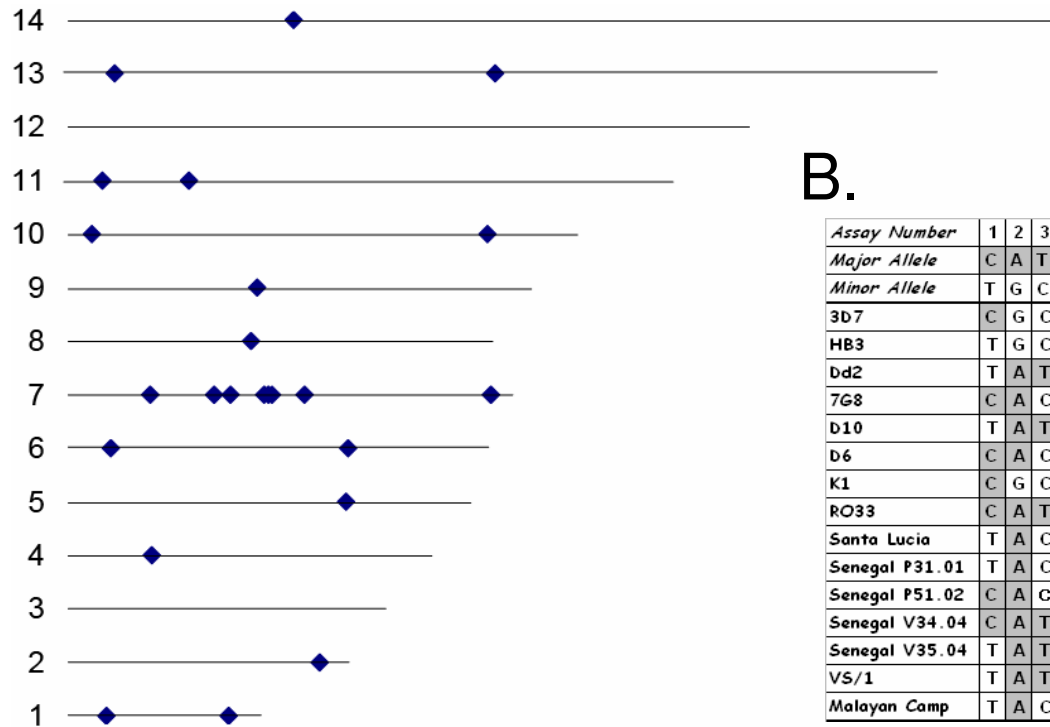
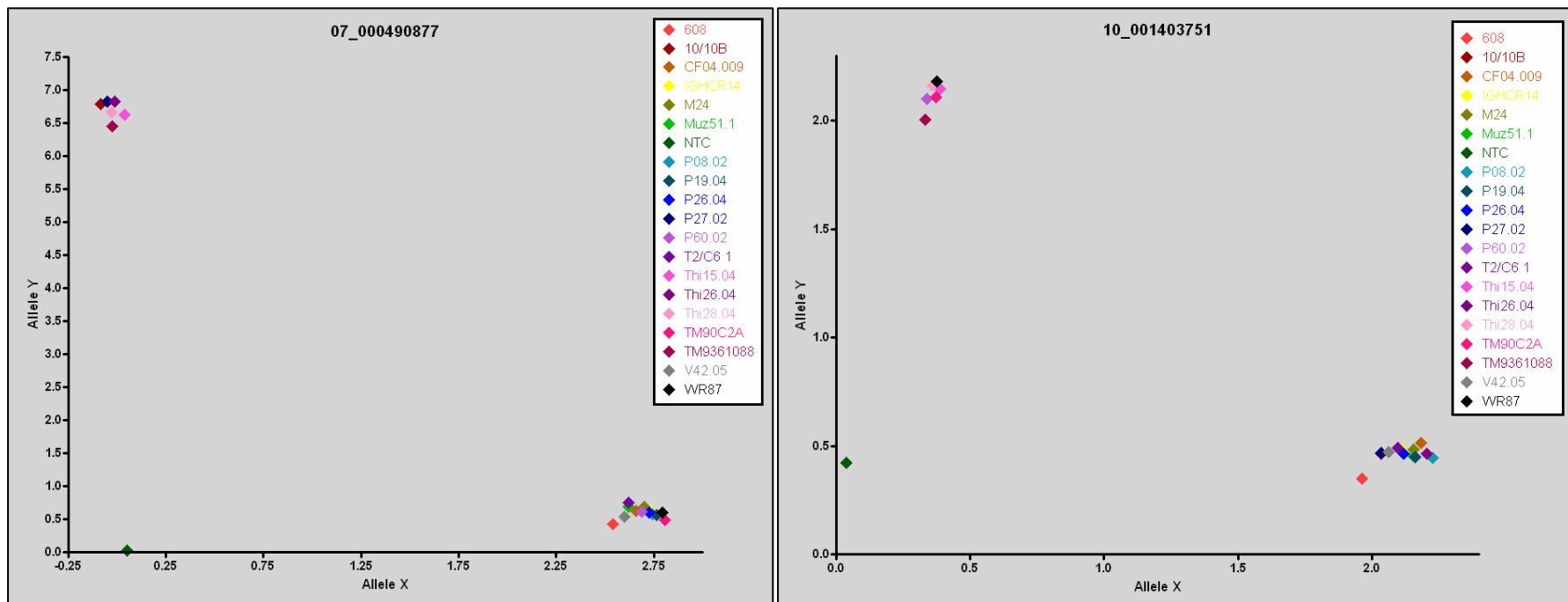


A.



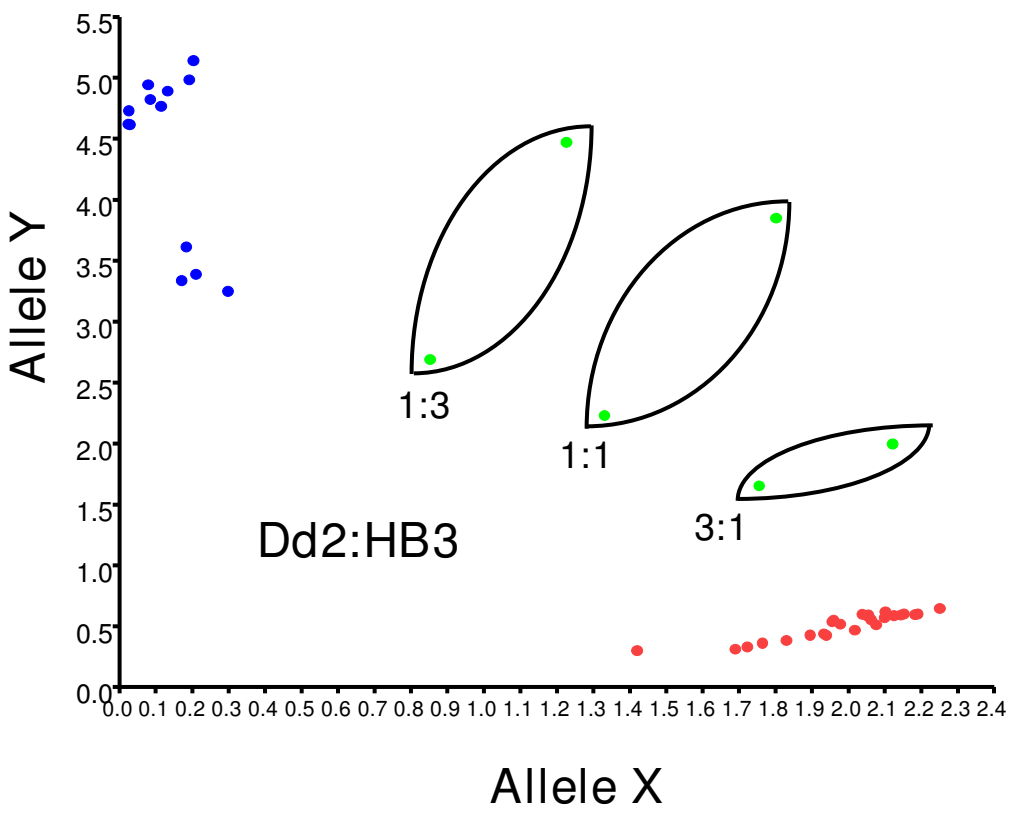
B.

| <i>Assay Number</i> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <i>Major Allele</i> | C | A | T | T | G | C | A | A | A | C | T | A | C | A | C | C | C | A | A | G | A | C | G | G |
| <i>Minor Allele</i> | T | G | C | C | C | G | G | G | T | T | C | G | T | C | A | A | T | T | C | A | C | T | T | T |
| 3D7 | C | G | C | T | C | C | G | G | A | C | T | G | C | A | C | C | C | A | A | G | A | T | T | G |
| HB3 | T | G | C | C | C | C | A | G | A | T | C | A | C | A | A | C | T | A | A | G | A | T | T | T |
| Dd2 | T | A | T | C | C | G | A | A | T | T | T | A | T | C | A | A | T | A | C | A | A | C | G | T |
| 7G8 | C | A | C | C | C | G | G | G | A | T | T | A | C | A | A | A | C | A | A | G | C | T | | T |
| D10 | T | A | T | C | C | G | G | G | A | C | T | G | C | A | A | C | T | T | C | G | A | C | G | G |
| D6 | C | A | C | T | C | C | A | G | A | T | C | A | C | A | A | C | C | A | A | A | A | C | T | G |
| K1 | C | G | C | T | C | G | G | A | T | T | T | A | T | C | C | C | T | A | C | G | C | C | G | T |
| RO33 | C | A | T | T | G | C | A | G | A | C | T | X | C | A | C | C | T | T | A | G | A | T | T | G |
| Santa Lucia | T | A | C | T | G | G | A | A | A | T | C | A | C | A | A | C | T | A | A | G | A | C | T | T |
| Senegal P31.01 | T | A | C | C | C | C | A | A | A | T | C | G | C | A | C | A | T | T | A | A | C | C | T | G |
| Senegal P51.02 | C | A | G | T | G | C | G | G | T | T | T | A | T | C | A | A | T | T | A | G | C | C | T | G |
| Senegal V34.04 | C | A | T | T | G | C | G | G | T | T | T | A | C | C | C | A | T | A | A | G | C | C | T | G |
| Senegal V35.04 | T | A | T | T | C | C | G | G | A | T | T | G | T | C | A | C | T | T | A | G | A | C | T | G |
| VS/1 | T | A | T | T | C | C | G | A | T | T | T | A | T | C | A | A | C | T | C | A | C | C | G | T |
| Malayan Camp | T | A | C | T | G | C | G | G | T | C | C | G | C | A | A | A | C | A | A | G | A | T | T | G |

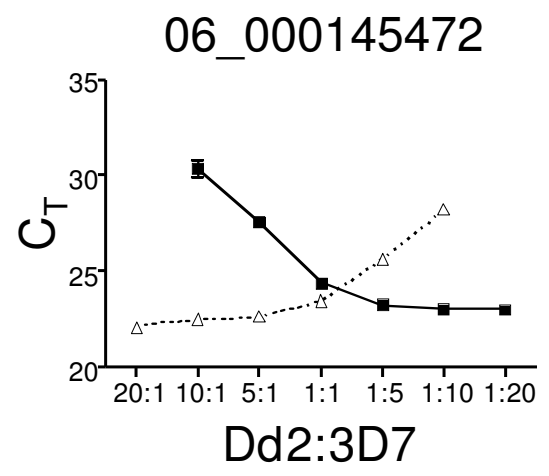


Daniels_Figure 2

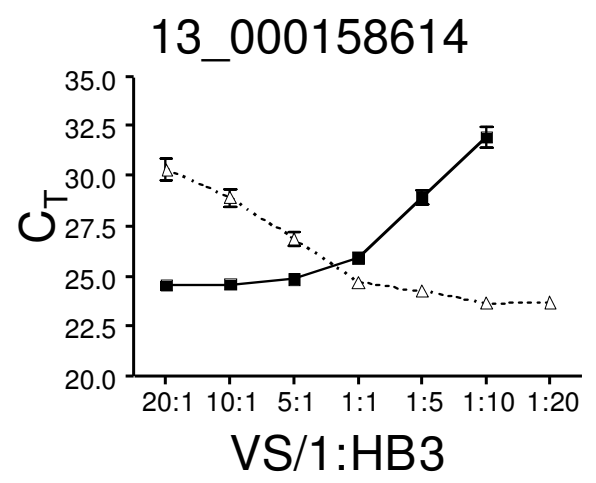
A.



B.



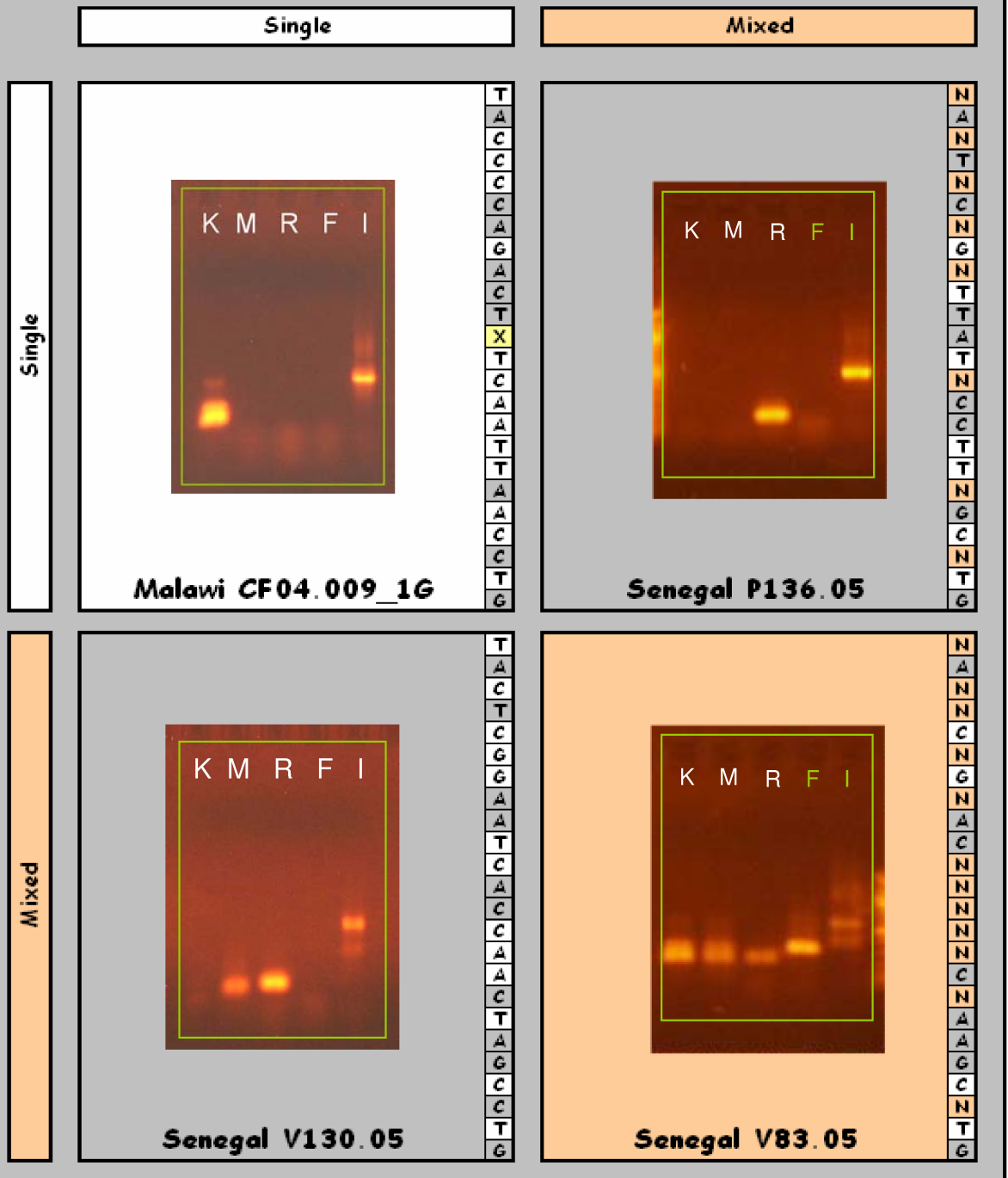
C.



Daniels_Figure 3

Molecular Barcode

Daniels_Figure 4



| | Gene | Type |
|---|------|--------|
| K | MSP1 | K1 |
| M | MSP1 | MAD20 |
| R | MSP1 | RO33 |
| F | MSP2 | FC27 |
| I | MSP2 | 3D7/IC |