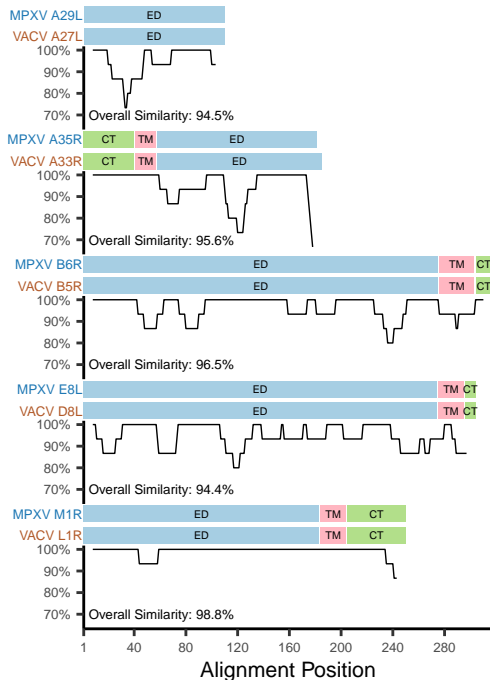


A

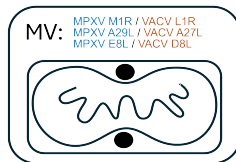
Amino Acid Pairwise Similarity (%)



B

EV: MPXV A35R / VACV A33R
MPXV B6R / VACV B5R

MV: MPXV M1R / VACV L1R
MPXV A29L / VACV A27L
MPXV E8L / VACV D8L



C

Cohort

| Cohort | MPXV A29L VACV A27L | MPXV A35R VACV A33R | MPXV B6R VACV B5R | MPXV E8L VACV D8L | MPXV M1R VACV L1R |
|--------------------------|------------------------|------------------------|----------------------|----------------------|----------------------|
| Pediatric | 0.79 | 0.93 | 0.64 | 0.07 | 0.98 |
| Rubella IgG ⁺ | 0.88 | 0.96 | 0.97 | 0.35 | 0.98 |
| Vaccine A – 0 mo | 0.98 | 1.00 | 0.98 | 0.91 | 0.99 |
| Vaccine A – 1 mo | 0.99 | 0.95 | 0.99 | 0.91 | 0.99 |
| Vaccine A – 2 mo | 0.99 | 0.88 | 0.99 | 0.97 | 1.00 |
| Vaccine B – 12 mo | 0.97 | 0.84 | 0.99 | 0.88 | 0.99 |
| MPXV – 2–6 mo | 0.97 | 0.95 | 0.99 | 0.87 | 1.00 |
| MPXV – 10 mo | 0.99 | 0.91 | 0.99 | 0.58 | 0.98 |

