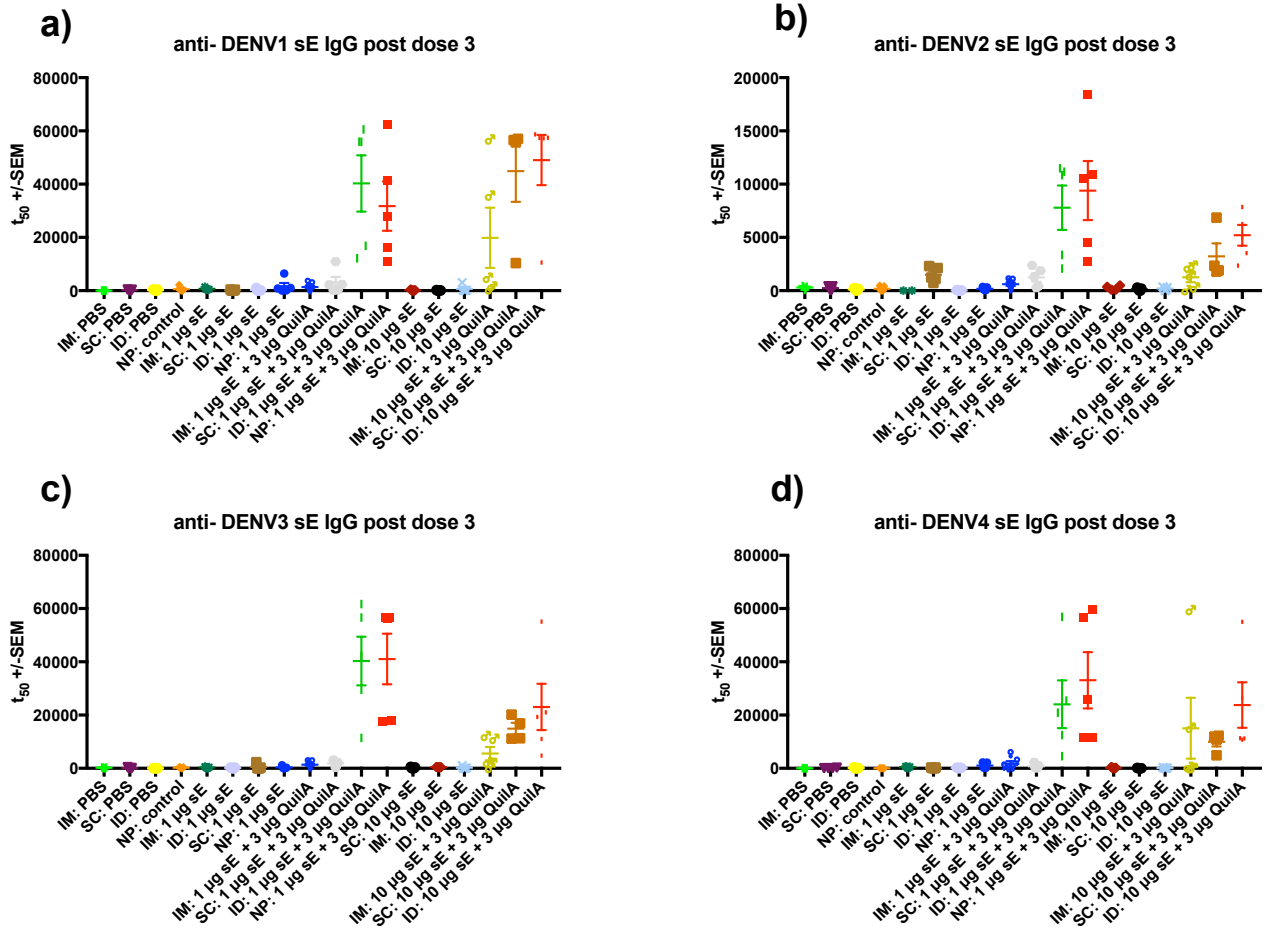
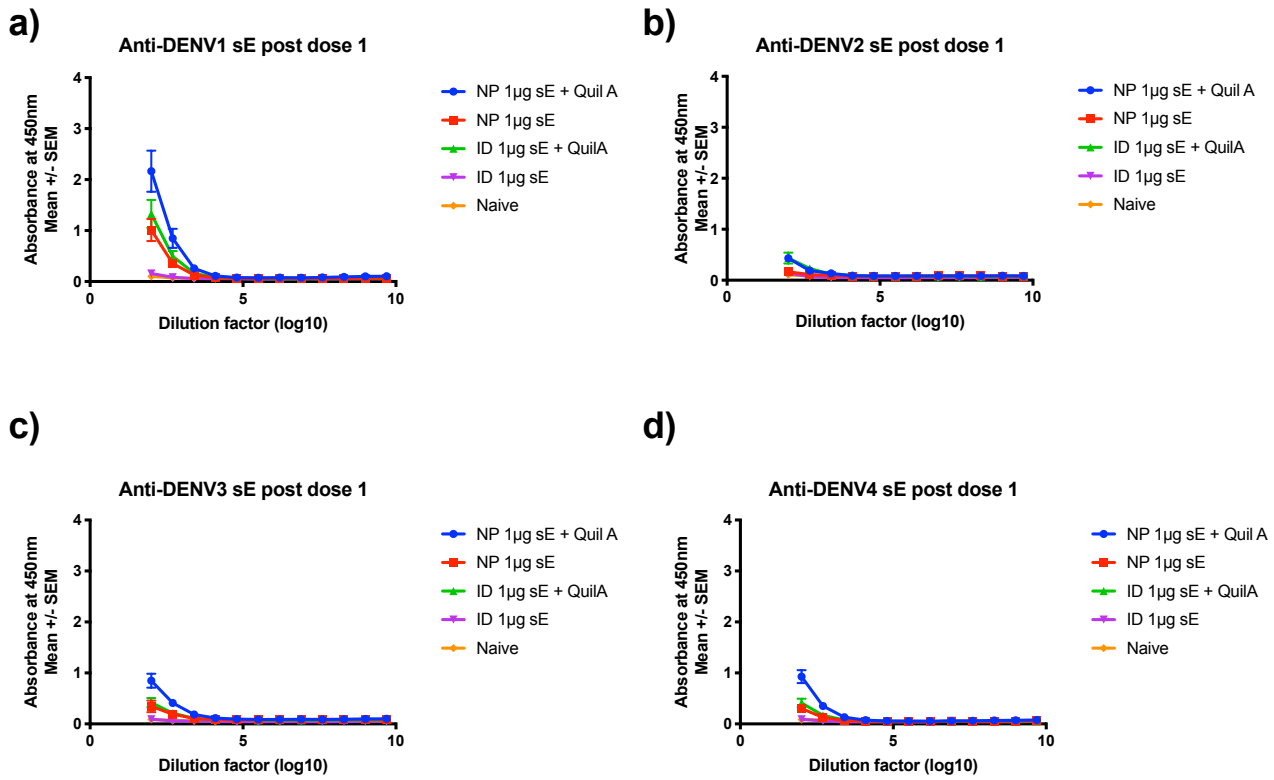


1 Supplementary figures



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3 **Figure s1:** Complete data set of anti-sE IgG titres for SV129 mice vaccinated by Nanopatch, ID, SC and IM
 4 injection with and without the adjuvant Quil-A. 50% titres calculated from sera samples collected 4 weeks
 5 following the final dose. Sera was analyzed against sE from each serotype of dengue virus. **(a)** dengue 1 anti-
 6 sE responses **(b)** dengue 2 anti-sE responses **(c)** dengue 3 anti-sE IgG responses and **(d)** dengue 4 anti-sE IgG
 7 responses. Each symbol represents a single mouse. Lines indicate mean titres with bars indicating +/-
 8 standard error of the mean.

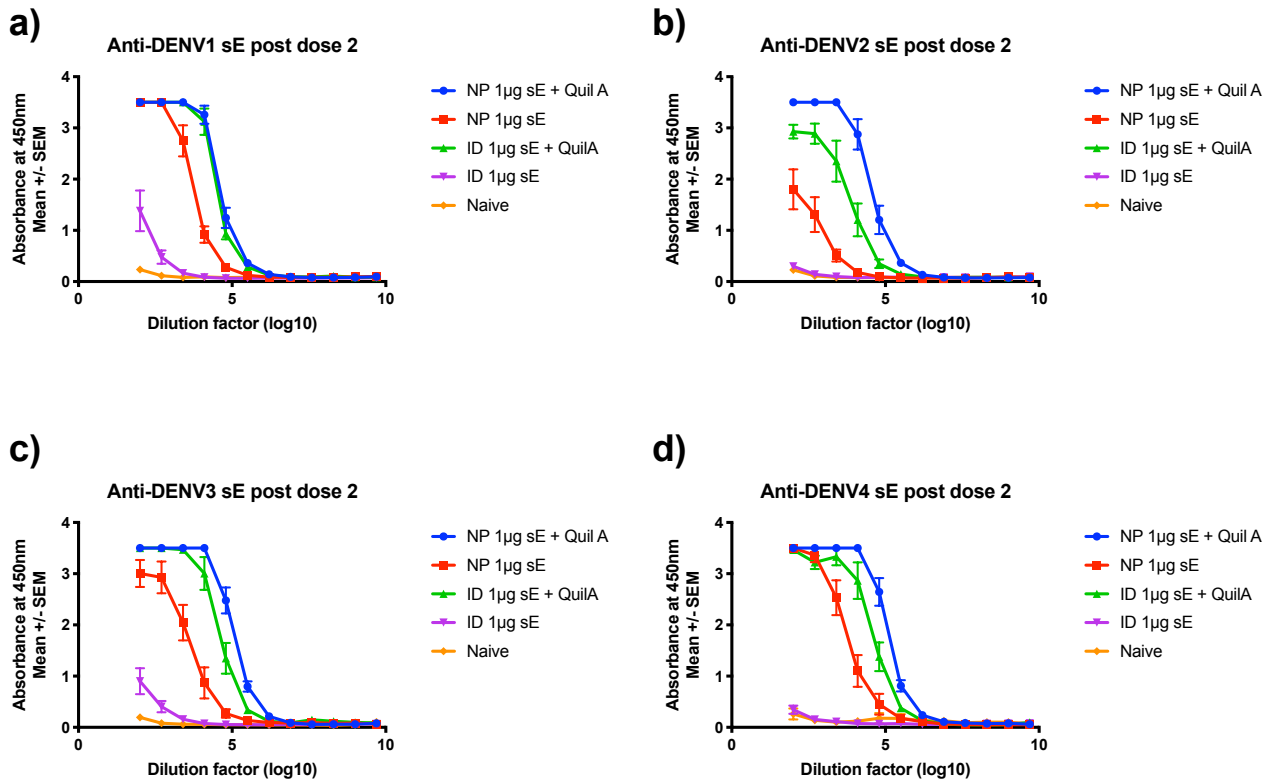


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10 **Figure s2:** AG129 anti-sE IgG ELISA results post dose 1 **(a)** dengue 1 anti-sE responses **(b)** dengue 2 anti-sE
 11 responses **(c)** dengue 3 anti-sE IgG responses and **(d)** dengue 4 anti-sE IgG responses. Each line represents
 12 the mean absorbance of all mice (n=10) within a group. Bars indicating +/- standard error of the mean.

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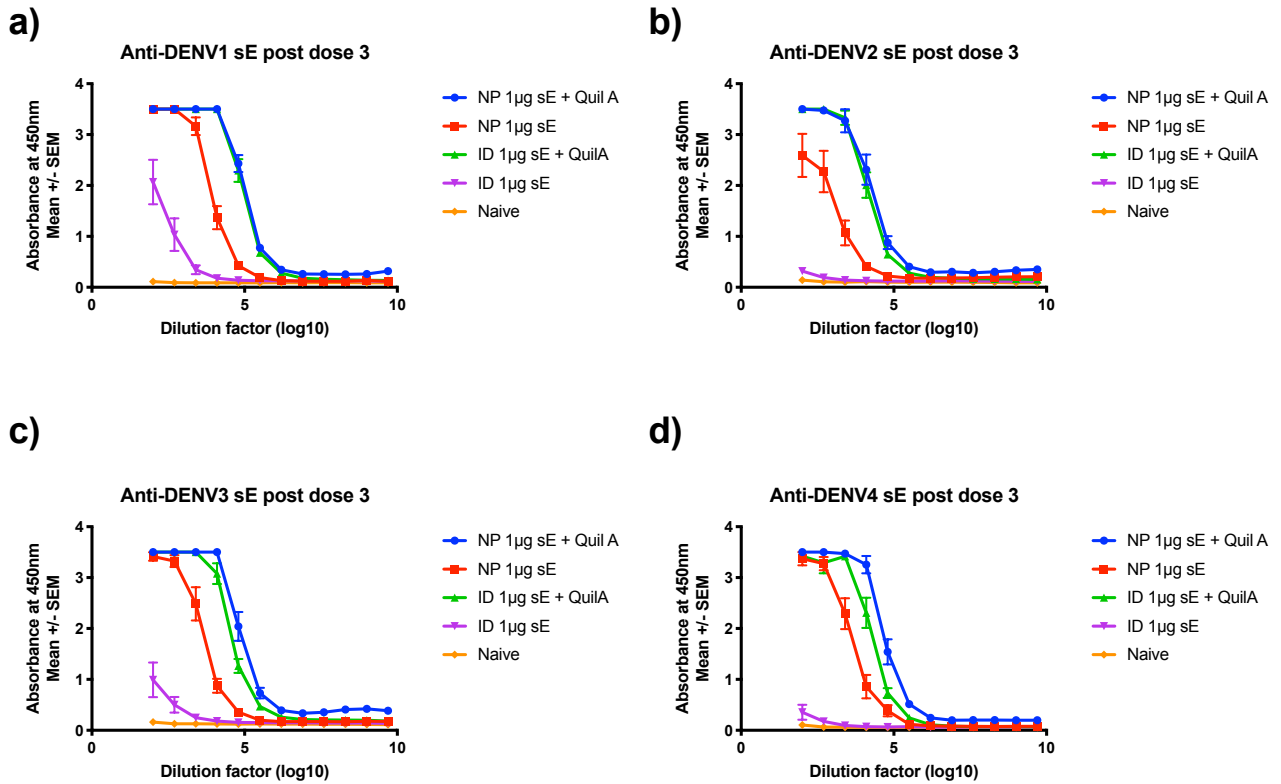


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16 **Figure s3** AG129 anti-sE IgG ELISA results post dose 2 **(a)** dengue 1 anti-sE responses **(b)** dengue 2 anti-sE
 17 responses **(c)** dengue 3 anti-sE IgG responses and **(d)** dengue 4 anti-sE IgG responses. Each line represents
 18 the mean absorbance of all mice (n=10) within a group. Bars indicating +/- standard error of the mean.

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22 **Figure s4** AG129 anti-sE IgG ELISA results post dose 3 **(a)** dengue 1 anti-sE responses **(b)** dengue 2 anti-sE
 23 responses **(c)** dengue 3 anti-sE IgG responses and **(d)** dengue 4 anti-sE IgG responses. Each line represents
 24 the mean absorbance of all mice (n=10) within a group. Bars indicating \pm standard error of the mean.

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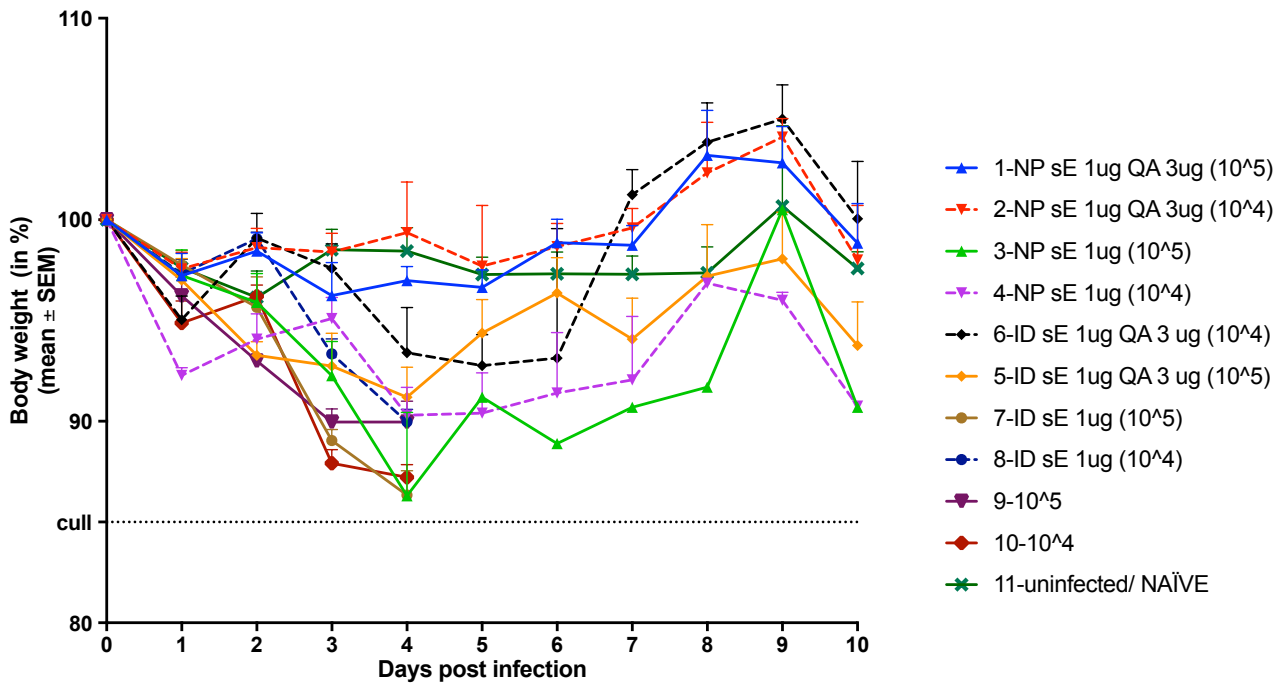
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AG129 Weight Loss following challenge with DV2 D220



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32 **Figure s5:** Percentage weight loss from AG129 mice following virus DENV220 challenge. Plotted is the mean
 33 percentage weight loss per group (n=5) Dotted line represents 15% weight loss. Bars indicating +/- standard
 34 error of the mean.

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