**Table S2 Specific IgG4 Timothy by Active booster/Placebo booster (pregnant excluded)**

|  | **Active boosterILIT grass allergen Alutard (sq) 1000+1000+1000+active booster 1000 sq(n=6)** | **Placebo boosterILIT grass allergen Alutard (sq) 1000+1000+1000+placebo booster 0 sq(n=6)** | **Difference of group medians** **( 95% CI bootstrapped )** **p-value** |
| --- | --- | --- | --- |
| **Blood sampling period** | **IgG4-Timothy (µg/L)** | **Change in IgG4-Timothy (µg/L) from Jan-15 (Baseline)** | **% change in IgG4-Timothy (µg/L) from Jan-15 (Baseline)** | **Change in IgG4-Timothy (µg/L) from Dec-15 (1 month pre-booster)** | **% change in IgG4-Timothy (µg/L) from Dec-15 (1 month pre-booster)** | **IgG4-Timothy (µg/L)** | **Change in IgG4-Timothy (µg/L) from Jan-15 (Baseline)** | **% change in IgG4-Timothy (µg/L) from Jan-15 (Baseline)** | **Change in IgG4-Timothy (µg/L) from Dec-15 (1 month pre-booster)** | **% change in IgG4-Timothy (µg/L) from Dec-15 (1 month pre-booster)** | **Change from Jan-15** | **% change from Jan-15** | **Change from Dec-15** | **% change from Dec-15** |
| **JAN2015** | 874(422; 1141) |  |  |  |  | 644(248; 1100) |  |  |  |  |  |  |  |  |
| **APR2015** | 1937(920; 2024) | 686(362; 1602) | 128(39; 380) |  |  | 1314(305; 2294) | 670(210; 1194) | 112(71; 129) |  |  |  |  |  |  |
| **DEC2015** | 1302(704; 2106) | 360(282; 965) | 76(31; 147) |  |  | 886(329; 2055) | 173(81; 1094) | 34(25; 109) |  |  |  |  |  |  |
| **MAR2016** | 1513(889; 2413) | 651(365; 1272) | 160(34; 210) | 217(69; 596) | 20(8; 31) | 831(305; 1531) | 137(57; 383) | 28(18; 66) | -55(-462; -24) | -12(-22; -3) | 514(-2; 1672) p 0.045 | 132(-14; 194)p 0.045 | 272(61; 1029) p 0.020 | 32(-5; 71)p 0.066 |
| **NOV2016** | 1444(636; 1698) | 451(214; 575) | 70(51; 92) | -77(-111; 165) | -7(-22; 8) | 329(229; 1050) a | 81(-50; 134) a | 33(-5; 41) a | -257(-283; 0) a | -21(-34; 0) a | 370(10; 805) p 0.036 | 37 (-70; 114) p 0.24 | 180(-444; 629)p 0.52 | 14(-99; 58)p 0.78 |
| IgG4 Timothy (µg/L) is presented with Median / (Q1; Q3) a One IgG4 sample was omitted due to relapsing leg infection; n=5 instead of the total placebo booster group n=6 |