

Gene deleted live attenuated *Leishmania* vaccine candidates against visceral leishmaniasis elicit pro-inflammatory cytokines response in human PBMCs

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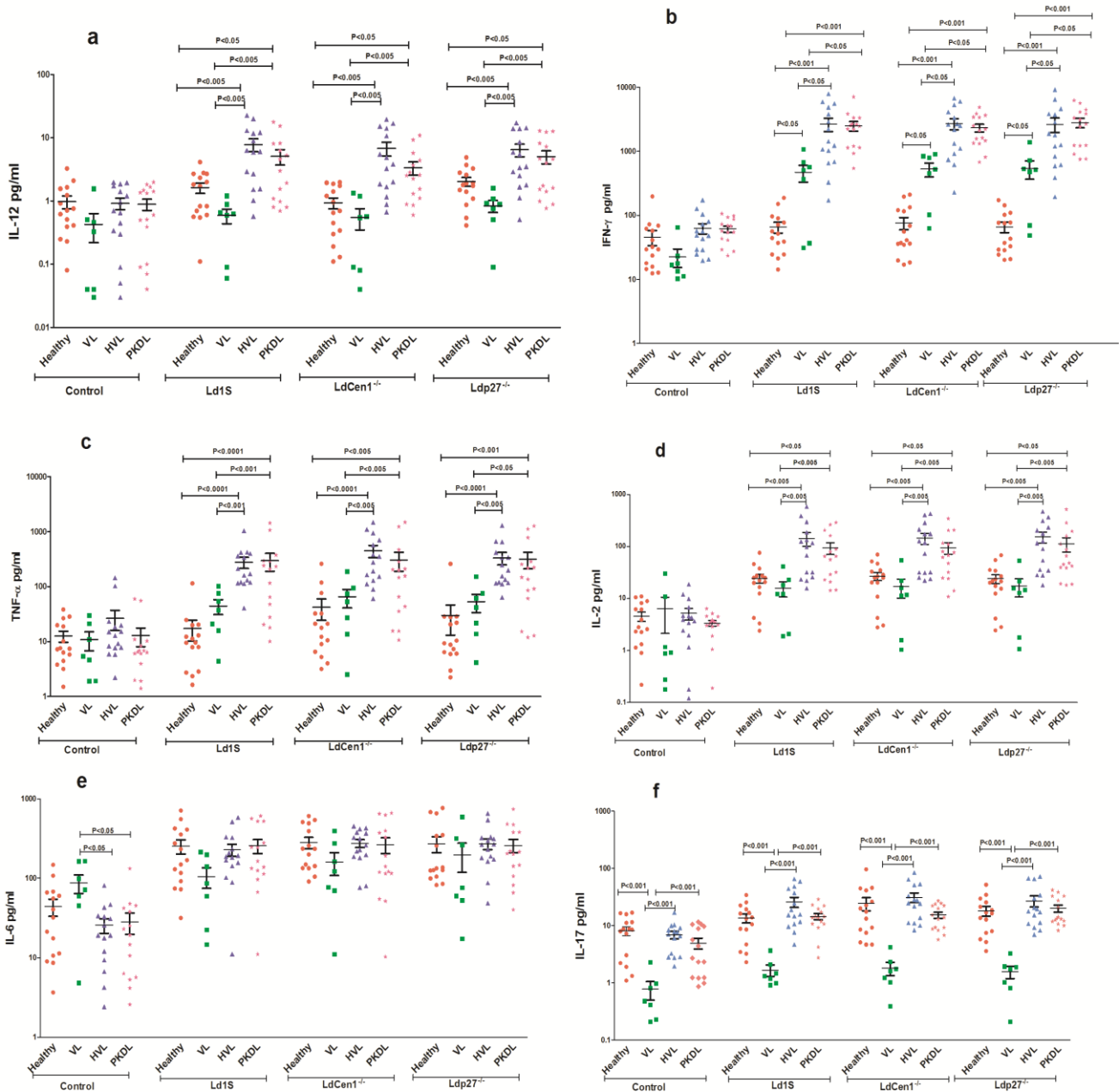
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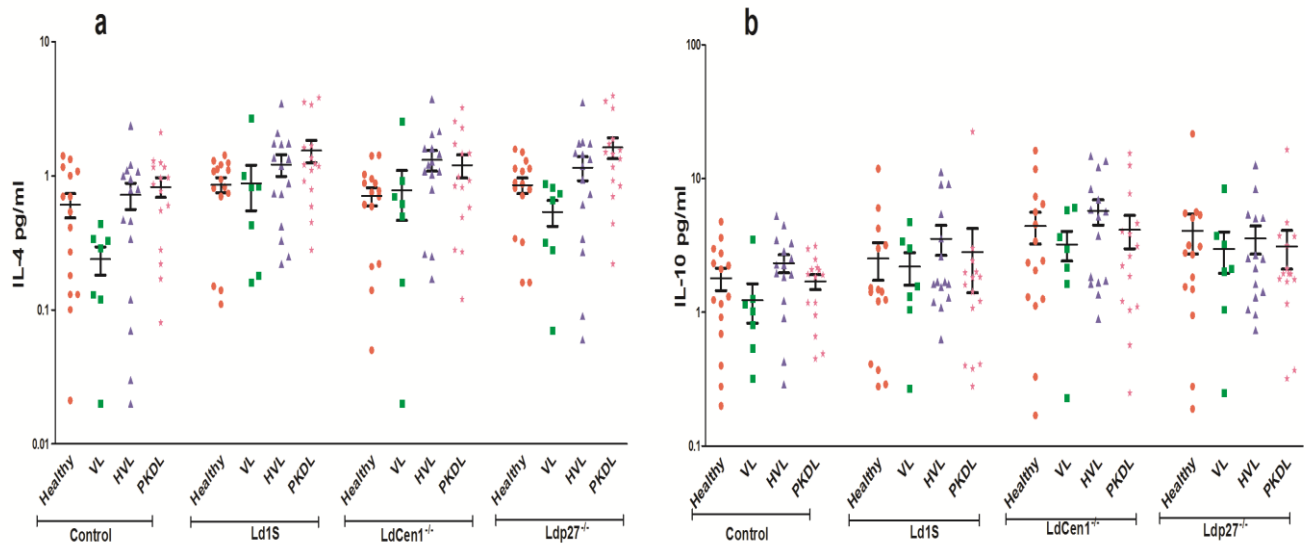
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Supplementary figure. 1 Level of pro-inflammatory cytokines stimulated in culture supernatant of PBMCs obtained from healthy, HVL, VL and PKDL groups by wild type (*Ld1S*), *LdCen1*^{-/-} and *Ldp27*^{-/-} parasites. The results are expressed as scattering of individual values and data are given in Mean±SEM (pg/ml) of (a) IL-12, (b) IFN- γ , (c) TNF- α , (d) IL-2, (e) IL-6 and (f) IL-17. Significance was determined by Mann-Whitney U test. $P < 0.05$ is considered statistically significant.



Supplementary figure. 2 Level of anti-inflammatory cytokines stimulated in culture supernatant of PBMCs obtained from healthy, HVL, VL and PKDL groups by wild type (*Ld1S*), *LdCen1*^{-/-} and *Ldp27*^{-/-} parasites. The results are expressed as scattering of individual values and data are given in Mean±SEM (pg/ml) of (a) IL-4 and (b) IL-10. Significance was determined by Mann-Whitney U test. P < 0.05 is considered statistically significant.