**Lactobacillus hominis** abundance (log$_{10}$)

- **TNF-α (pg/mL)**: cc = 0.042, P = 0.771
- **IL-1β (pg/mL)**: cc = -0.362, P = 0.005
- **IL-6 (pg/mL)**: cc = -0.203, P = 0.158
- **IL-17 (pg/mL)**: cc = -0.278, P = 0.068
- **IFN-γ (pg/mL)**: cc = -0.331, P = 0.013
- **TNF-α (pg/mL)**: cc = 0.34, P = 0.019

**Legend**
- Red dots: *L. casei*
- Green dots: Model
- Blue dots: MTX