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| **S3 Table.** Correlations of taxa with anti-tetanus IgG in BALB/cBomTac mice (n = 40) vaccinated once or twice with a tetanus toxoid vaccine. Only correlations significant after FDR correction are shown. All P and Q values are 0.000. |
| **Taxa** | **Correlation coefficient** |
| **Bacteroidetes** |  |
| Bacteroidia; Bacteroidales; Bacteroidaceae; *Bacteroides*; other | 0.53 |
| Bacteroidia; Bacteroidales; Bacteroidaceae; *Bacteroides*; other | 0.44 |
| Bacteroidia; Bacteroidales; Bacteroidaceae; *Bacteroides*; other | 0.48 |
| Bacteroidia; Bacteroidales; Bacteroidaceae; *Bacteroides uniformis* | 0.53 |
| Bacteroidia; Bacteroidales; S24-7; other; other | 0.48 |
| Bacteroidia; Bacteroidales; S24-7; other; other | 0.47 |
| Bacteroidia; Bacteroidales; S24-7;; other ; other  | 0.46 |
| Bacteroidia; Bacteroidales; S24-7;; other ; other | 0.48 |
| **Firmicutes** |  |
| Clostridia; Clostridiales; other; other | 0.47 |
| **Verrucomicrobia** |  |
| Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; *Akkermansia muciniphila* | 0.49 |