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|  **S5 Table. Differentially Enriched Bacterial Species in IU in the Overall Dataset** |
| **Species** | **Comparison** | **Relative Abundance (%)** | **P value** |
| *Streptococcus pyogenes* | IU vs HD+ | 24.18 vs 13.32 | 0.043 |
| IU vs TP+ | 24.18 vs 4.27 | 0.007 |
| IU vs TP+HD+ | 24.18 vs 4.38 | 0.002 |
|   |  |  |  |
| *Staphylococcus aureus* | IU vs TP+HD+ | 5.77 vs 0.23 | 0.039 |
| IU: Idiopathic Ulcer, HD+: *H. ducreyi*, TP+: *T. palldium* sub. *pertenue*, TP+HD+: *H. ducreyi* and *T. pallidum* sub. *pertenue* |