| Bacterial species | Non-periodontitis | Periodontitis |
|-------------------|-------------------|---------------|
|                   | SLE-I vs Control | SLE-A vs SLE-I | SLE-I vs Control | SLE-A vs SLE-I | SLE-A vs SLE-I |
| C. ochracea       | 0.848339         | 0.01492794    | 0.2985588       | 0.74233937    | 0.020085704    | 0.021098226    |
| S. intermedia     | 0.6890417        | 0.43561042    | 0.04651062      | 0.21095715    | 0.39808605     | 0.656457659    |
| A. odontolyticus  | 0.6890417        | 0.24663775    | 0.04651062      | 0.90139676    | 0.636131812    | 0.501481566    |
| F. polymorphum    | 0.848339         | 0.24663775    | 0.04651062      | 0.90139676    | 0.235219839    | 0.107299566    |
| N. mucosa         | 0.6890417        | 0.10404839    | 0.05495359      | 0.33780588    | 0.526837352    | 0.12245841     |
| T. socraukskii    | 0.848339         | 0.21356998    | 0.05495359      | 0.14262184    | 0.971063279    | 0.189737104    |
| E. saburreum      | 0.6890417        | 0.43561042    | 0.05495359      | 0.90139676    | 0.55994792     | 0.467374925    |
| F. nucleatum      | 0.9121669        | 0.04610472    | 0.05495359      | 0.13744175    | 0.008497623    | 0.259268922    |
| S. anginosus      | 0.890477         | 0.09317978    | 0.05495359      | 0.90136976    | 0.55994792     | 0.467374925    |
| T. socranskii     | 0.6890417        | 0.21356998    | 0.05495359      | 0.33780588    | 0.526837352    | 0.12245841     |
| E. saburreum      | 0.6890417        | 0.43561042    | 0.05495359      | 0.90139676    | 0.55994792     | 0.467374925    |
| F. polymorphum    | 0.848339         | 0.24663775    | 0.04651062      | 0.90139676    | 0.235219839    | 0.107299566    |
| S. anginosus      | 0.890477         | 0.09317978    | 0.05495359      | 0.90136976    | 0.55994792     | 0.467374925    |
| T. socranskii     | 0.6890417        | 0.21356998    | 0.05495359      | 0.33780588    | 0.526837352    | 0.12245841     |
| E. saburreum      | 0.6890417        | 0.43561042    | 0.05495359      | 0.90139676    | 0.55994792     | 0.467374925    |
| F. nucleatum      | 0.9121669        | 0.04610472    | 0.05495359      | 0.13744175    | 0.008497623    | 0.259268922    |
| S. anginosus      | 0.890477         | 0.09317978    | 0.05495359      | 0.90136976    | 0.55994792     | 0.467374925    |
| T. socranskii     | 0.6890417        | 0.21356998    | 0.05495359      | 0.33780588    | 0.526837352    | 0.12245841     |
| E. saburreum      | 0.6890417        | 0.43561042    | 0.05495359      | 0.90139676    | 0.55994792     | 0.467374925    |

Supplementary Table 2.