| **Age (Days)** | **taxlevel** | **term** | **DF** | **Chi Square** | **F** | **p** | **FDR** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3-5 | Kingdom | Model | 1 | 0.0078 | 1.4 | 0.24 | 0.33 |
| Phylum | Model | 1 | 0.030 | 0.81 | 0.60 | 0.66 |
| Class | Model | 1 | 0.042 | 1.1 | 0.30 | 0.39 |
| Order | Model | 1 | 0.075 | 1.2 | 0.14 | 0.25 |
| Family | Model | 1 | 0.10 | 1.4 | **0.031** | **0.18** |
| Genus | Model | 1 | 0.11 | 1.2 | 0.096 | 0.22 |
| ASV | Model | 1 | 0.16 | 1.1 | 0.20 | 0.31 |
| 7-8 | Kingdom | Model | 1 | 0.0021 | 0.28 | 0.71 | 0.71 |
| Phylum | Model | 1 | 0.058 | 1.5 | 0.081 | 0.21 |
| Class | Model | 1 | 0.069 | 1.6 | **0.046** | **0.18** |
| Order | Model | 1 | 0.074 | 1.3 | 0.11 | 0.22 |
| Family | Model | 1 | 0.090 | 1.5 | **0.044** | **0.18** |
| Genus | Model | 1 | 0.12 | 1.3 | 0.050 | **0.18** |
| ASV | Model | 1 | 0.19 | 1.2 | 0.058 | **0.18** |
| 10-12 | Kingdom | Model | 1 | 0.00071 | 0.31 | 0.70 | 0.71 |
| Phylum | Model | 1 | 0.023 | 0.94 | 0.34 | 0.39 |
| Class | Model | 1 | 0.026 | 0.99 | 0.33 | 0.39 |
| Order | Model | 1 | 0.039 | 1.2 | 0.20 | 0.31 |
| Family | Model | 1 | 0.044 | 1.2 | 0.12 | 0.23 |
| Genus | Model | 1 | 0.084 | 1.7 | **0.0019** | **0.040** |
| ASV | Model | 1 | 0.17 | 1.7 | **0.022** | **0.18** |