| **Age (Days)** | **taxlevel** | **term** | **DF** | **Chi Square** | **F** | **p** | **FDR** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3-5 | Kingdom | Model | 1 | 0.0080 | 1.5 | 0.20 | 1.0 |
| Phylum | Model | 1 | 0.031 | 0.80 | 0.61 | 1.0 |
| Class | Model | 1 | 0.039 | 1.0 | 0.35 | 1.0 |
| Order | Model | 1 | 0.070 | 1.2 | 0.18 | 1.0 |
| Family | Model | 1 | 0.099 | 1.4 | **0.028** | 0.47 |
| Genus | Model | 1 | 0.10 | 1.3 | 0.085 | 1.0 |
| ASV | Model | 1 | 0.15 | 1.1 | 0.22 | 1.0 |
| 7-8 | Kingdom | Model | 1 | 0.00062 | 0.11 | 0.86 | 1.0 |
| Phylum | Model | 1 | 0.052 | 1.4 | 0.088 | 1.0 |
| Class | Model | 1 | 0.054 | 1.5 | 0.067 | 0.93 |
| Order | Model | 1 | 0.062 | 1.2 | 0.11 | 1.0 |
| Family | Model | 1 | 0.069 | 1.4 | **0.037** | 0.59 |
| Genus | Model | 1 | 0.11 | 1.5 | **0.0068** | **0.14** |
| ASV | Model | 1 | 0.19 | 1.4 | **0.0086** | **0.16** |
| 10-12 | Kingdom | Model | 1 | 0.00050 | 0.24 | 0.74 | 1.0 |
| Phylum | Model | 1 | 0.029 | 1.3 | 0.19 | 1.0 |
| Class | Model | 1 | 0.030 | 1.3 | 0.16 | 1.0 |
| Order | Model | 1 | 0.042 | 1.4 | 0.066 | 0.93 |
| Family | Model | 1 | 0.047 | 1.4 | **0.041** | 0.61 |
| Genus | Model | 1 | 0.080 | 1.7 | **0.00030** | **0.0063** |
| ASV | Model | 1 | 0.15 | 1.7 | **0.024** | 0.42 |