|  |  |  |
| --- | --- | --- |
|  | **PveCYP734A50 vs PfoCYP734A50** | **PveCYP734A51 vs PfoCYP734A51** |
| **Ka (nonsynonymous)** |   |   |
|  |   |   |
| Nei-Gojobori method (Proportion) | 0.181 | 0.112 |
| Nei-Gojobori method (No. Of Differences) | 75.167 | 46.000 |
| Total number of sites | 415.287 | 410.714 |
|   |   |   |
| **Ks (synonymous)** |   |   |
|   |   |   |
| Nei-Gojobori method (Proportion) | 0.326 | 0.358 |
| Nei-Gojobori method (No. Of Differences) | 38.833 | 44.000 |
| Total number of sites | 119.120 | 122.905 |
|   |   |   |
| ***Ka/Ks*** | ***0.555*** | ***0.313*** |
|  |  |  |
|  |  |  |
| **Ka contingency table** | **changed sites** | **unchanged sites** |
| CYP734A50 | 75 | 340 |
| CYP734A51 | 46 | 365 |
|   |   |   |
| ***Fisher p-value*** | ***0.00578*** |   |
|  |  |  |
| **Ks contingency table** | **changed sites** | **unchanged sites** |
| CYP734A50 | 39 | 80 |
| CYP734A51 | 44 | 79 |
|   |   |   |
| ***Fisher p-value*** | ***0.658*** |   |