**PIP vs INDELible ANALYSIS**

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| **PIP (Single character Insertion Model)** | **INDELible (Long Indel Model)** |
| * Ntaxa=8 | * Ntaxa=8 |
| * Substitution model= WAG | * Substitution Model= WAG |
| * INDEL distribution= Poisson distribution | * INDEL distribution= Zipfian distribution 1.7 * Indelrate= 0.05 |
| * Expected Length= 200 | * Expected Length(Number of Seq at root)= 200 |
| * Intensity= 0.5, lambda=10, mu= 0.05 |  |
| * Branch Length= Exponential with expected value of 1/Treerate= 1/8 | * Same as PIP |
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|  |  |
| * Replicates= 100 | * Replicates= 100 |

1. Calculated the MSA length of both True MSA’s and plotted
2. Calculated the number of total INDEL events on each taxa for each iteration
3. [**pip\_MSA.csv**](pip_MSA.csv)
4. [**indelible\_MSA.csv**](indelible_MSA.csv)
5. [**pip\_events.csv**](pip_events.csv)
6. **<indelible_events.csv>**

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