

Performance Comparison - BER

| Combination | Avg Fitness | Avg Time (s) | Avg Gap to BKS (%) |
|-----------------|-------------|--------------|--------------------|
| Baseline_Short | 2195.4 | 47.46 | 5.03% |
| LS_Set2_Ranking | 2222.3 | 68.69 | 5.65% |
| Baseline_Long | 2266.7 | 51.35 | 7.25% |
| No_Mutation | 2276.1 | 37.08 | 7.47% |
| No_LocalSearch | 3583.1 | 37.13 | 40.71% |
| LS_Set2_LS_Init | 3910.9 | 50.82 | 58.71% |
| LS_Set2_OneShot | 5056.9 | 45.52 | 79.91% |
| LS_Set2_Shorter | 16715.5 | 58.63 | 903.84% |