| Model | Configuration | Family Members | Training Dataset | Overall |
|-------|---------------|----------------|-----------------|---------|
|       |               | Precision | Recall | F1-Score | Precision | Recall | F1-Score | Precision | Recall | F1-Score |
| Baseline | Baseline | 0.9179 | 0.1844 | 0.3071 | 0.5874 | 0.7581 | 0.662 | 0.6208 | 0.5179 | 0.5647 |
|         | Baseline + ED | 0.9286 | 0.0975 | 0.1764 | 0.5667 | 0.7343 | 0.6397 | 0.5866 | 0.4677 | 0.5204 |
|         | Baseline + Neji | 0.9118 | 0.1859 | 0.3088 | 0.6326 | 0.7883 | 0.7019 | 0.662 | 0.5361 | 0.5924 |
|         | Baseline + ED + Neji | 0.9444 | 0.1019 | 0.184 | 0.6204 | 0.7624 | 0.6841 | 0.6397 | 0.4859 | 0.5523 |
| Baseline | Baseline | 0.9179 | 0.1844 | 0.3071 | 0.6636 | 0.8477 | 0.7444 | 0.6894 | 0.57 | 0.6241 |
|         | Baseline + ED | 0.9286 | 0.0975 | 0.1764 | 0.6348 | 0.8164 | 0.7142 | 0.6511 | 0.5154 | 0.5753 |
|         | Baseline + Neji | 0.9118 | 0.1859 | 0.3088 | 0.6985 | 0.8607 | 0.7712 | 0.7212 | 0.5782 | 0.6418 |
|         | Baseline + ED + Neji | 0.9444 | 0.1019 | 0.184 | 0.6918 | 0.8413 | 0.7593 | 0.707 | 0.5317 | 0.607 |
| Baseline | Baseline | 0.8133 | 0.2744 | 0.4103 | 0.8125 | 0.9125 | 0.8596 | 0.8126 | 0.6453 | 0.7194 |
|         | Baseline + ED | 0.8241 | 0.2459 | 0.3788 | 0.8183 | 0.8801 | 0.8481 | 0.8192 | 0.6146 | 0.7023 |
|         | Baseline + Neji | 0.8162 | 0.2264 | 0.3545 | 0.86 | 0.8359 | 0.8478 | 0.8525 | 0.5807 | 0.6908 |
|         | Baseline + ED + Neji | 0.7926 | 0.2234 | 0.3485 | 0.8419 | 0.8974 | 0.8688 | 0.834 | 0.6152 | 0.7081 |
| Baseline | Baseline | 0.9018 | 0.4408 | 0.5921 | 0.9049 | 0.7397 | 0.814 | 0.904 | 0.6146 | 0.7317 |
|         | Baseline + ED | 0.8852 | 0.5202 | 0.6553 | 0.8777 | 0.7829 | 0.8276 | 0.8801 | 0.6729 | 0.7627 |
|         | Baseline + ET | 0.9043 | 0.4678 | 0.6166 | 0.8704 | 0.7905 | 0.8285 | 0.8803 | 0.6554 | 0.7513 |
|         | Baseline + ED + ET | 0.864 | 0.4858 | 0.6219 | 0.8616 | 0.8132 | 0.8367 | 0.8623 | 0.6761 | 0.7579 |
|         | Baseline + ED + Neji | 0.8692 | 0.6177 | 0.7222 | 0.8391 | 0.8672 | 0.8529 | 0.8491 | 0.7627 | 0.8036 |
|         | Baseline + ED + ET + Neji | 0.8947 | 0.6117 | 0.7266 | 0.8483 | 0.8693 | 0.8587 | 0.8633 | 0.7615 | 0.8092 |

ET: Embeddings Training
ED: Entity Discovery

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