

A Supplemental Material

We report main BLI results for all $15 \times 14 = 210$ language pairs in the supplemental material, grouped by the source language, and for two dictionary sizes: $|D_0| = 1,000$ and $|D_0| = 500$. The results are provided in Table 6–Table 20. As stressed in the table captions, for the descriptions of benchmarked CLWE configurations, we refer the reader to the main paper: in particular to §2 and Table 1.

(The actual tables start on the next page.)

Bulgarian: BG-														
	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.353	.147	.262	.005	.096	.262	.386	.270	.259	.004	.247	.368	.001	.254
5K:ORTHG-SUPER	.350	.182	.315	.173	.292	.251	.379	.242	.261	.125	.358	.300	.089	.297
5K:ORTHG+SL+SYM	.380	.215	.327	.179	.319	.277	.402	.271	.286	.142	.372	.341	.105	.321
5K:FULL-SUPER	.432	.327	.407	.250	.357	.361	.460	.283	.364	.205	.445	.398	.169	.349
5K:FULL+SL	.383	.273	.297	.198	.203	.279	.394	.277	.268	.136	.301	.388	.102	.291
5K:FULL+SL+NOD	.427	.357	.350	.245	.272	.317	.439	.305	.292	.179	.339	.422	.154	.326
5K:FULL+SL+SYM	.456	.370	.405	.296	.374	.368	.475	.325	.367	.215	.407	.446	.179	.374
1K:ORTHG-SUPER	.166	.060	.141	.046	.108	.076	.178	.111	.098	.038	.183	.122	.023	.111
1K:ORTHG+SL+SYM	.310	.135	.270	.087	.230	.180	.346	.191	.200	.071	.312	.258	.030	.226
1K:FULL-SUPER	.229	.147	.211	.070	.129	.112	.254	.116	.157	.054	.230	.163	.044	.133
1K:FULL+SL	.381	.275	.291	.198	.211	.280	.392	.270	.275	.127	.303	.365	.101	.285
1K:FULL+SL+NOD	.426	.335	.347	.241	.272	.315	.437	.308	.306	.168	.331	.413	.143	.324
1K:FULL+SL+SYM	.444	.357	.388	.279	.361	.345	.467	.314	.333	.186	.369	.441	.128	.357

Table 6: All BLI scores (MRR) with Bulgarian (BG) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Catalan: CA-														
	-BG	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.330	.310	.198	.258	.228	.239	.334	.302	.177	.002	.163	.347	.000	.260
5K:ORTHG-SUPER	.315	.199	.244	.219	.252	.227	.360	.249	.199	.130	.258	.294	.093	.283
5K:ORTHG+SL+SYM	.331	.239	.269	.244	.288	.258	.390	.280	.213	.149	.282	.340	.108	.301
5K:FULL-SUPER	.396	.395	.356	.338	.329	.336	.431	.286	.309	.217	.366	.396	.196	.337
5K:FULL+SL	.331	.357	.223	.289	.214	.257	.368	.299	.174	.128	.215	.366	.171	.275
5K:FULL+SL+NOD	.372	.458	.276	.347	.265	.290	.411	.317	.224	.180	.264	.416	.223	.308
5K:FULL+SL+SYM	.414	.456	.352	.391	.356	.357	.449	.322	.302	.245	.343	.433	.218	.348
1K:ORTHG-SUPER	.160	.075	.089	.063	.098	.064	.151	.117	.052	.029	.098	.101	.018	.116
1K:ORTHG+SL+SYM	.274	.151	.174	.126	.168	.143	.298	.207	.096	.047	.198	.235	.025	.193
1K:FULL-SUPER	.212	.167	.165	.116	.110	.103	.210	.126	.101	.046	.144	.138	.035	.133
1K:FULL+SL	.329	.361	.223	.282	.218	.252	.366	.299	.166	.129	.225	.358	.162	.272
1K:FULL+SL+NOD	.372	.457	.274	.342	.263	.289	.411	.316	.213	.170	.256	.416	.217	.308
1K:FULL+SL+SYM	.395	.446	.300	.370	.319	.335	.435	.320	.253	.202	.295	.424	.142	.334

Table 7: All BLI scores (MRR) with Catalan (CA) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Esperanto: EO-														
	-BG	-CA	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.164	.430	.092	.147	.012	.157	.040	.047	.177	.000	.198	.322	.000	.001
5K:ORTHG-SUPER	.247	.367	.209	.169	.246	.138	.319	.171	.165	.082	.221	.225	.046	.210
5K:ORTHG+SL+SYM	.268	.401	.227	.182	.264	.160	.343	.189	.179	.087	.246	.254	.051	.220
5K:FULL-SUPER	.367	.491	.334	.294	.329	.258	.400	.267	.281	.171	.343	.337	.107	.285
5K:FULL+SL	.281	.486	.225	.232	.237	.187	.360	.270	.171	.065	.215	.340	.068	.220
5K:FULL+SL+NOD	.367	.524	.284	.273	.322	.223	.409	.321	.210	.161	.292	.385	.103	.262
5K:FULL+SL+SYM	.410	.533	.342	.354	.363	.288	.426	.315	.296	.184	.384	.390	.117	.299
1K:ORTHG-SUPER	.103	.161	.064	.043	.065	.022	.107	.072	.038	.015	.075	.061	.007	.074
1K:ORTHG+SL+SYM	.163	.266	.112	.074	.105	.050	.186	.104	.064	.021	.127	.108	.008	.103
1K:FULL-SUPER	.152	.221	.136	.083	.080	.044	.145	.099	.078	.024	.120	.083	.017	.087
1K:FULL+SL	.289	.491	.216	.250	.229	.158	.357	.262	.167	.065	.215	.344	.066	.223
1K:FULL+SL+NOD	.371	.511	.272	.264	.304	.194	.407	.313	.205	.142	.274	.383	.080	.257
1K:FULL+SL+SYM	.385	.521	.314	.315	.328	.241	.411	.298	.255	.111	.358	.376	.056	.259

Table 8: All BLI scores (MRR) with Esperanto (EO) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Estonian: ET-														
	-BG	-CA	-EO	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.283	.220	.105	.004	.370	.208	.377	.000	.002	.001	.282	.316	.000	.002
5K:ORTHG-SUPER	.295	.212	.142	.171	.368	.192	.342	.120	.185	.112	.277	.210	.076	.241
5K:ORTHG+SL+SYM	.301	.234	.160	.172	.388	.209	.365	.136	.192	.121	.286	.246	.089	.255
5K:FULL-SUPER	.393	.333	.271	.238	.430	.287	.432	.212	.258	.191	.360	.328	.168	.307
5K:FULL+SL	.309	.258	.217	.128	.393	.221	.382	.160	.183	.114	.286	.320	.090	.249
5K:FULL+SL+NOD	.354	.308	.268	.181	.397	.268	.418	.210	.208	.152	.319	.351	.150	.277
5K:FULL+SL+SYM	.404	.357	.307	.238	.443	.301	.459	.223	.251	.185	.358	.383	.178	.331
1K:ORTHG-SUPER	.135	.080	.060	.074	.171	.050	.145	.034	.067	.033	.131	.069	.025	.073
1K:ORTHG+SL+SYM	.238	.153	.096	.108	.347	.124	.307	.075	.121	.060	.228	.158	.033	.152
1K:FULL-SUPER	.200	.121	.116	.099	.200	.069	.188	.065	.095	.052	.179	.112	.041	.102
1K:FULL+SL	.289	.240	.221	.127	.395	.211	.380	.163	.183	.117	.286	.315	.074	.248
1K:FULL+SL+NOD	.343	.294	.267	.193	.396	.259	.420	.209	.204	.147	.316	.352	.123	.290
1K:FULL+SL+SYM	.381	.346	.297	.208	.437	.277	.449	.204	.215	.148	.337	.377	.108	.313

Table 9: All BLI scores (MRR) with Estonian (ET) as the source language. 5k and 1k denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Basque: EU-														
	-BG	-CA	-EO	-ET	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.002	.254	.115	.007	.008	.048	.001	.001	.059	.000	.001	.000	.000	.000
5K:ORTHG-SUPER	.190	.279	.122	.174	.155	.134	.178	.134	.154	.069	.159	.138	.045	.176
5K:ORTHG+SL+SYM	.196	.307	.135	.181	.175	.148	.193	.147	.165	.076	.175	.155	.049	.187
5K:FULL-SUPER	.292	.391	.245	.250	.233	.211	.259	.183	.197	.109	.242	.240	.095	.240
5K:FULL+SL	.203	.371	.203	.126	.175	.110	.187	.209	.084	.043	.098	.201	.069	.170
5K:FULL+SL+NOD	.248	.423	.243	.181	.219	.163	.228	.244	.121	.081	.148	.252	.093	.208
5K:FULL+SL+SYM	.310	.441	.277	.248	.270	.206	.283	.225	.189	.106	.237	.287	.094	.248
1K:ORTHG-SUPER	.090	.117	.038	.061	.045	.029	.054	.044	.051	.019	.052	.037	.012	.044
1K:ORTHG+SL+SYM	.116	.192	.061	.105	.072	.052	.102	.062	.080	.029	.086	.066	.013	.077
1K:FULL-SUPER	.120	.142	.077	.088	.048	.037	.077	.049	.059	.021	.071	.053	.018	.055
1K:FULL+SL	.206	.348	.207	.117	.172	.115	.186	.209	.080	.039	.101	.201	.072	.159
1K:FULL+SL+NOD	.244	.418	.230	.179	.214	.163	.225	.236	.111	.073	.136	.248	.077	.202
1K:FULL+SL+SYM	.276	.428	.253	.213	.247	.166	.266	.213	.147	.060	.169	.261	.056	.212

Table 10: All BLI scores (MRR) with Basque (EU) as the source language. 5k and 1k denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Finnish: FI-														
	-BG	-CA	-EO	-ET	-EU	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.120	.304	.013	.361	.004	.243	.411	.230	.003	.000	.284	.395	.000	.162
5K:ORTHG-SUPER	.292	.295	.132	.302	.116	.216	.407	.221	.166	.132	.265	.332	.082	.300
5K:ORTHG+SL+SYM	.311	.326	.147	.336	.130	.245	.428	.243	.185	.150	.292	.370	.089	.325
5K:FULL-SUPER	.379	.377	.284	.409	.220	.323	.456	.263	.275	.222	.390	.419	.171	.346
5K:FULL+SL	.269	.325	.216	.360	.153	.245	.408	.260	.189	.136	.280	.404	.093	.303
5K:FULL+SL+NOD	.353	.388	.299	.401	.205	.311	.453	.296	.251	.196	.372	.449	.165	.335
5K:FULL+SL+SYM	.397	.404	.320	.424	.271	.351	.474	.298	.289	.243	.405	.460	.168	.365
1K:ORTHG-SUPER	.134	.114	.033	.105	.030	.060	.195	.091	.047	.035	.113	.140	.014	.128
1K:ORTHG+SL+SYM	.246	.198	.049	.275	.047	.129	.368	.141	.086	.059	.228	.285	.017	.230
1K:FULL-SUPER	.174	.142	.077	.167	.054	.071	.226	.098	.084	.052	.158	.161	.028	.149
1K:FULL+SL	.258	.276	.222	.361	.154	.253	.400	.255	.199	.129	.309	.402	.065	.309
1K:FULL+SL+NOD	.351	.330	.298	.400	.193	.309	.452	.299	.246	.183	.372	.448	.141	.334
1K:FULL+SL+SYM	.381	.396	.304	.416	.235	.331	.463	.300	.270	.211	.389	.455	.107	.353

Table 11: All BLI scores (MRR) with Finnish (FI) as the source language. 5k and 1k denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Hebrew: HE-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HU	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.297	.319	.172	.180	.101	.214	.318	.212	.123	.004	.106	.292	.000	.262
5K:ORTHG-SUPER	.288	.269	.135	.193	.160	.250	.287	.154	.161	.126	.214	.205	.086	.247
5K:ORTHG+SL+SYM	.307	.298	.149	.206	.161	.279	.315	.181	.167	.135	.229	.238	.107	.274
5K:FULL-SUPER	.397	.376	.248	.288	.225	.329	.375	.239	.213	.204	.309	.316	.173	.328
5K:FULL+SL	.304	.316	.193	.187	.137	.223	.314	.212	.142	.142	.193	.284	.124	.267
5K:FULL+SL+NOD	.343	.356	.241	.230	.171	.269	.361	.250	.179	.185	.237	.323	.190	.298
5K:FULL+SL+SYM	.378	.384	.278	.278	.211	.320	.393	.266	.217	.218	.301	.349	.192	.337
1K:ORTHG-SUPER	.126	.101	.040	.064	.050	.068	.096	.057	.048	.033	.078	.058	.022	.086
1K:ORTHG+SL+SYM	.243	.204	.079	.134	.097	.144	.199	.116	.098	.061	.154	.130	.031	.170
1K:FULL-SUPER	.180	.148	.087	.106	.065	.077	.135	.076	.067	.054	.105	.086	.042	.111
1K:FULL+SL	.309	.317	.195	.191	.141	.226	.319	.209	.138	.140	.189	.288	.105	.271
1K:FULL+SL+NOD	.345	.353	.235	.226	.162	.268	.360	.250	.176	.183	.232	.317	.159	.304
1K:FULL+SL+SYM	.360	.371	.252	.250	.182	.293	.383	.251	.188	.187	.254	.343	.114	.321

Table 12: All BLI scores (MRR) with Hebrew (HE) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Hungarian: HU-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-ID	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.328	.362	.012	.298	.001	.342	.275	.318	.027	.000	.232	.359	.000	.330
5K:ORTHG-SUPER	.336	.360	.198	.309	.191	.339	.227	.254	.218	.158	.294	.310	.096	.331
5K:ORTHG+SL+SYM	.357	.391	.222	.341	.204	.372	.262	.277	.237	.184	.326	.345	.105	.348
5K:FULL-SUPER	.431	.443	.344	.423	.282	.397	.349	.338	.326	.259	.411	.406	.173	.372
5K:FULL+SL	.348	.402	.302	.325	.205	.343	.275	.318	.218	.187	.246	.361	.087	.338
5K:FULL+SL+NOD	.397	.445	.378	.370	.252	.372	.319	.364	.265	.228	.319	.402	.145	.361
5K:FULL+SL+SYM	.438	.477	.392	.433	.305	.407	.376	.374	.332	.285	.419	.441	.176	.380
1K:ORTHG-SUPER	.164	.170	.063	.125	.056	.149	.068	.113	.063	.039	.128	.102	.008	.161
1K:ORTHG+SL+SYM	.297	.298	.107	.255	.091	.293	.152	.200	.129	.076	.237	.243	.016	.287
1K:FULL-SUPER	.241	.221	.125	.196	.094	.168	.098	.147	.112	.063	.183	.149	.026	.184
1K:FULL+SL	.337	.403	.292	.312	.217	.341	.256	.317	.219	.186	.248	.360	.086	.334
1K:FULL+SL+NOD	.395	.447	.374	.364	.260	.375	.312	.359	.264	.231	.317	.398	.132	.355
1K:FULL+SL+SYM	.427	.467	.369	.413	.274	.400	.356	.377	.306	.268	.381	.423	.113	.374

Table 13: All BLI scores (MRR) with Hungarian (HU) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Indonesian: ID-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-KA	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.132	.271	.005	.000	.001	.174	.190	.256	.001	.001	.000	.257	.001	.252
5K:ORTHG-SUPER	.223	.256	.153	.217	.111	.182	.222	.273	.162	.126	.201	.233	.147	.276
5K:ORTHG+SL+SYM	.237	.278	.167	.228	.123	.219	.239	.294	.170	.140	.207	.265	.163	.294
5K:FULL-SUPER	.281	.300	.247	.281	.173	.233	.290	.349	.222	.193	.260	.294	.218	.316
5K:FULL+SL	.156	.273	.170	.126	.132	.171	.201	.256	.099	.126	.073	.258	.215	.265
5K:FULL+SL+NOD	.210	.300	.218	.174	.166	.226	.238	.300	.133	.172	.110	.288	.253	.292
5K:FULL+SL+SYM	.287	.323	.274	.266	.220	.269	.295	.345	.200	.197	.242	.320	.241	.326
1K:ORTHG-SUPER	.092	.098	.050	.075	.025	.053	.068	.109	.039	.043	.069	.074	.037	.129
1K:ORTHG+SL+SYM	.150	.168	.078	.142	.037	.082	.140	.197	.071	.078	.108	.142	.052	.225
1K:FULL-SUPER	.121	.114	.092	.115	.038	.053	.093	.129	.063	.062	.086	.081	.052	.152
1K:FULL+SL	.149	.267	.170	.132	.134	.171	.198	.257	.101	.123	.073	.257	.217	.266
1K:FULL+SL+NOD	.208	.301	.213	.167	.165	.218	.240	.299	.126	.165	.101	.287	.246	.290
1K:FULL+SL+SYM	.258	.316	.254	.213	.187	.250	.264	.337	.140	.175	.152	.309	.226	.319

Table 14: All BLI scores (MRR) with Indonesian (ID) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Georgian: KA-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KO	-LT	-NO	-TH	-TR
UNSUPERVISED	.211	.205	.180	.003	.096	.007	.166	.200	.000	.000	.237	.179	.000	.001
5K:ORTHG-SUPER	.251	.187	.116	.195	.154	.210	.155	.218	.088	.085	.234	.123	.056	.204
5K:ORTHG+SL+SYM	.262	.205	.130	.206	.165	.233	.167	.245	.095	.092	.255	.138	.061	.221
5K:FULL-SUPER	.372	.297	.243	.282	.217	.292	.245	.308	.169	.154	.327	.214	.127	.257
5K:FULL+SL	.310	.233	.182	.225	.133	.252	.172	.258	.130	.069	.248	.188	.069	.203
5K:FULL+SL+NOD	.337	.285	.226	.257	.165	.288	.216	.290	.160	.117	.292	.217	.114	.242
5K:FULL+SL+SYM	.376	.320	.265	.293	.216	.318	.251	.326	.172	.143	.340	.253	.139	.275
1K:ORTHG-SUPER	.093	.051	.036	.069	.040	.049	.026	.069	.024	.023	.101	.026	.013	.076
1K:ORTHG+SL+SYM	.166	.094	.060	.133	.066	.097	.064	.147	.044	.040	.188	.048	.014	.122
1K:FULL-SUPER	.153	.088	.083	.112	.068	.065	.046	.103	.048	.036	.138	.048	.025	.091
1K:FULL+SL	.234	.231	.182	.225	.136	.245	.175	.258	.135	.077	.245	.189	.060	.201
1K:FULL+SL+NOD	.307	.284	.215	.256	.164	.286	.208	.292	.159	.105	.291	.220	.099	.237
1K:FULL+SL+SYM	.352	.305	.248	.271	.172	.306	.213	.308	.155	.103	.317	.238	.077	.255

Table 15: All BLI scores (MRR) with Georgian (KA) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Korean: KO-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-LT	-NO	-TH	-TR
UNSUPERVISED	.010	.001	.000	.001	.001	.000	.002	.000	.001	.000	.000	.001	.000	.000
5K:ORTHG-SUPER	.190	.183	.083	.145	.102	.206	.166	.238	.142	.112	.156	.150	.076	.213
5K:ORTHG+SL+SYM	.198	.204	.088	.145	.106	.229	.180	.263	.162	.107	.154	.166	.083	.232
5K:FULL-SUPER	.289	.283	.176	.242	.170	.273	.257	.326	.210	.178	.241	.256	.174	.278
5K:FULL+SL	.161	.183	.065	.141	.080	.180	.187	.281	.162	.065	.089	.193	.101	.235
5K:FULL+SL+NOD	.240	.262	.135	.185	.114	.243	.240	.320	.213	.120	.138	.258	.161	.270
5K:FULL+SL+SYM	.303	.299	.178	.229	.174	.289	.282	.358	.233	.176	.224	.289	.176	.302
1K:ORTHG-SUPER	.052	.055	.025	.031	.033	.053	.026	.063	.043	.024	.036	.033	.014	.068
1K:ORTHG+SL+SYM	.081	.071	.029	.055	.039	.084	.048	.122	.073	.040	.055	.050	.017	.112
1K:FULL-SUPER	.093	.078	.045	.059	.045	.066	.048	.096	.060	.039	.053	.047	.038	.085
1K:FULL+SL	.135	.187	.058	.133	.073	.174	.180	.278	.166	.064	.098	.189	.107	.233
1K:FULL+SL+NOD	.227	.255	.115	.179	.112	.231	.223	.315	.209	.111	.129	.246	.134	.266
1K:FULL+SL+SYM	.245	.253	.110	.191	.108	.266	.232	.343	.206	.122	.150	.244	.089	.279

Table 16: All BLI scores (MRR) with Korean (KO) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Lithuanian: LT-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-NO	-TH	-TR
UNSUPERVISED	.336	.194	.259	.308	.001	.296	.153	.286	.000	.232	.000	.264	.000	.181
5K:ORTHG-SUPER	.328	.224	.145	.274	.165	.258	.182	.288	.099	.193	.093	.185	.066	.220
5K:ORTHG+SL+SYM	.347	.248	.164	.295	.169	.290	.209	.316	.108	.208	.096	.207	.077	.239
5K:FULL-SUPER	.462	.353	.317	.394	.236	.368	.299	.395	.184	.284	.168	.304	.162	.296
5K:FULL+SL	.340	.246	.264	.311	.122	.273	.225	.296	.136	.237	.071	.258	.068	.192
5K:FULL+SL+NOD	.381	.323	.323	.353	.161	.361	.280	.361	.171	.277	.115	.304	.146	.245
5K:FULL+SL+SYM	.437	.363	.348	.383	.222	.385	.316	.413	.191	.304	.160	.336	.168	.319
1K:ORTHG-SUPER	.160	.080	.035	.110	.047	.103	.040	.115	.031	.065	.021	.050	.018	.069
1K:ORTHG+SL+SYM	.294	.171	.072	.236	.075	.224	.103	.216	.064	.136	.038	.109	.023	.135
1K:FULL-SUPER	.256	.138	.102	.190	.085	.143	.073	.159	.058	.097	.040	.081	.030	.097
1K:FULL+SL	.342	.250	.264	.312	.124	.314	.228	.294	.133	.240	.065	.263	.052	.197
1K:FULL+SL+NOD	.384	.319	.325	.353	.154	.363	.280	.358	.168	.277	.107	.305	.126	.245
1K:FULL+SL+SYM	.408	.345	.332	.361	.181	.380	.286	.399	.168	.288	.109	.322	.094	.302

Table 17: All BLI scores (MRR) with Lithuanian (LT) as the source language. $5k$ and $1k$ denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Norwegian: NO-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-TH	-TR
UNSUPERVISED	.326	.380	.302	.296	.001	.348	.256	.388	.319	.207	.000	.234	.000	.291
5K:ORTHG-SUPER	.316	.359	.180	.284	.171	.344	.224	.368	.270	.189	.148	.264	.101	.280
5K:ORTHG+SL+SYM	.334	.390	.207	.310	.189	.378	.247	.401	.300	.213	.168	.277	.111	.301
5K:FULL-SUPER	.394	.424	.323	.389	.261	.396	.319	.441	.306	.291	.220	.366	.188	.325
5K:FULL+SL	.329	.390	.309	.303	.200	.355	.258	.389	.315	.196	.141	.240	.127	.292
5K:FULL+SL+NOD	.374	.439	.381	.345	.253	.387	.292	.426	.341	.235	.193	.281	.182	.319
5K:FULL+SL+SYM	.422	.457	.377	.395	.328	.419	.353	.452	.340	.298	.250	.351	.197	.341
1K:ORTHG-SUPER	.166	.162	.069	.120	.041	.153	.065	.166	.121	.054	.040	.110	.021	.104
1K:ORTHG+SL+SYM	.284	.302	.125	.233	.078	.307	.136	.323	.222	.111	.064	.198	.028	.191
1K:FULL-SUPER	.203	.198	.128	.172	.075	.153	.078	.206	.132	.088	.057	.132	.032	.123
1K:FULL+SL	.329	.389	.311	.303	.193	.357	.258	.389	.317	.195	.147	.236	.125	.293
1K:FULL+SL+NOD	.373	.437	.374	.341	.249	.389	.291	.425	.338	.229	.189	.281	.178	.319
1K:FULL+SL+SYM	.411	.444	.374	.371	.300	.412	.336	.443	.339	.268	.228	.315	.140	.332

Table 18: All BLI scores (MRR) with Norwegian (NO) as the source language. 5k and 1k denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Thai: TH-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TR
UNSUPERVISED	.000	.000	.000	.000	.000	.000	.000	.000	.002	.000	.000	.000	.000	.000
5K:ORTHG-SUPER	.151	.090	.066	.119	.074	.124	.123	.123	.112	.086	.086	.142	.115	.119
5K:ORTHG+SL+SYM	.148	.096	.063	.127	.073	.134	.147	.139	.123	.093	.090	.152	.121	.130
5K:FULL-SUPER	.210	.134	.087	.186	.094	.173	.173	.178	.141	.116	.112	.214	.162	.177
5K:FULL+SL	.051	.058	.017	.071	.035	.041	.122	.051	.119	.018	.036	.044	.050	.071
5K:FULL+SL+NOD	.101	.098	.041	.129	.062	.123	.186	.097	.167	.061	.069	.140	.093	.120
5K:FULL+SL+SYM	.174	.123	.073	.164	.093	.167	.203	.160	.170	.126	.097	.215	.147	.160
1K:ORTHG-SUPER	.042	.021	.018	.046	.022	.030	.037	.035	.045	.028	.031	.057	.027	.041
1K:ORTHG+SL+SYM	.066	.027	.024	.062	.024	.038	.062	.060	.067	.045	.047	.085	.050	.067
1K:FULL-SUPER	.049	.027	.021	.070	.029	.032	.057	.044	.044	.034	.040	.084	.029	.052
1K:FULL+SL	.049	.047	.016	.059	.030	.045	.112	.054	.122	.018	.037	.047	.057	.067
1K:FULL+SL+NOD	.086	.083	.036	.121	.046	.104	.174	.096	.162	.047	.063	.119	.094	.116
1K:FULL+SL+SYM	.108	.084	.036	.128	.057	.094	.152	.111	.168	.073	.065	.145	.098	.121

Table 19: All BLI scores (MRR) with Thai (TH) as the source language. 5k and 1k denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.

Turkish: TR-														
	-BG	-CA	-EO	-ET	-EU	-FI	-HE	-HU	-ID	-KA	-KO	-LT	-NO	-TH
UNSUPERVISED	.214	.276	.000	.001	.001	.192	.208	.332	.307	.000	.000	.073	.260	.000
5K:ORTHG-SUPER	.265	.288	.112	.212	.164	.247	.214	.328	.267	.131	.126	.209	.226	.103
5K:ORTHG+SL+SYM	.280	.314	.121	.229	.172	.273	.241	.357	.288	.146	.145	.217	.261	.121
5K:FULL-SUPER	.344	.360	.215	.307	.230	.294	.319	.378	.336	.205	.196	.295	.311	.170
5K:FULL+SL	.236	.300	.146	.172	.155	.249	.230	.338	.308	.113	.140	.089	.274	.112
5K:FULL+SL+NOD	.283	.355	.221	.216	.198	.281	.275	.375	.358	.168	.171	.137	.325	.176
5K:FULL+SL+SYM	.351	.376	.238	.309	.244	.322	.323	.397	.370	.229	.214	.280	.346	.183
1K:ORTHG-SUPER	.107	.103	.024	.065	.048	.089	.058	.143	.112	.029	.036	.059	.058	.023
1K:ORTHG+SL+SYM	.198	.184	.039	.130	.076	.160	.122	.303	.203	.055	.063	.112	.121	.040
1K:FULL-SUPER	.150	.133	.052	.112	.062	.093	.076	.167	.131	.053	.050	.099	.073	.028
1K:FULL+SL	.230	.309	.156	.167	.147	.250	.223	.336	.312	.108	.139	.093	.273	.113
1K:FULL+SL+NOD	.280	.354	.213	.218	.183	.281	.269	.371	.352	.160	.167	.138	.323	.166
1K:FULL+SL+SYM	.327	.364	.204	.274	.209	.310	.301	.398	.363	.201	.194	.215	.344	.137

Table 20: All BLI scores (MRR) with Turkish (TR) as the source language. 5k and 1k denote the seed dictionary D_0 size for (weakly) supervised methods. See Table 1 for a brief description of each model configuration.