Translation Performance (TER) Ilama-3.2-90b-Language gemma2-9b Ilama3-70b Ilama3-8b mixtral-8x7b OLMo-1B Phi-3.5-mini Qwen-2.5-0.5B Qwen-2.5-1.5B Qwen-2.5-3B Direction gemma-7b Ilama-3.1-70b Ilama-3.1-8b Family vision de-en 51.779 55.650 48.179 53.199 43.504 105.955 67.913 43.159 365.650 495.067 764.272 774.311 621.949 en-de 62.238 69.367 57.045 63.092 82.316 244.952 123.103 86.252 362.864 796.509 989.618 1005.362 769.652 Indo-European-Germanic 83.035 94.130 75.447 946.886 295.061 74.445 75.734 258.411 232.069 473.300 741.199 1327.273 1185.684 en-cs 127.490 67.496 62.612 78.235 51.282 75.671 119.499 50.984 387.299 680.773 862.493 794.097 684.019 cs-en fr-de 66.866 74.504 74.910 79.332 69.765 451.038 143.412 71.029 295.894 763.075 721.345 733.303 591.561 Indo-European-Romance de-fr 60.433 75.360 68.982 86.239 89.602 191.918 154.740 83.574 359.983 488.496 676.889 682.656 591.568 62.581 97.659 78.691 111.104 53.661 470.828 120.408 54.562 281.358 199.239 247.603 358.455 307.324 qu-en Indo-Iranian-80.223 138.636 143.182 73.003 224.587 76.997 389.733 1006.543 530.303 en-gu 306.818 312.534 429 201 1291.529 Indic (Indo-48.014 bn-en 78.490 123.042 56.073 77.412 47.162 86.322 92.111 247.591 175.327 217.887 315.436 270.440 Aryan 86.226 81.679 171.895 64.816 486.661 1256.874 662.192 en-bn 205.621 166.967 64.677 313.671 535.945 1012.737 69.039 84.856 93.793 lt-en 75.074 66.236 104.419 140.417 67.180 350.894 470.042 668.967 655.958 574.181 Indo-European-Baltic en-It 84.106 92.987 90.909 103.766 108.247 402.987 250.195 111.761 348.562 780.780 1178.506 1165.000 806.688 62.181 64.523 80.707 53.535 492.334 43.370 57.922 52.641 75.043 322.189 477.559 673.680 631.644 Indo-Europeanru-en Slavic 54.707 78.025 67.607 76.886 116.766 231.742 187.900 134.455 4616.783 599.908 912.642 942.539 754.910 en-ru fi-en 46.634 77.836 71.040 81.181 58.913 102.980 157.240 58.076 326.346 521.064 753.685 713.800 596.916 Uralic en-fi 64.203 86.987 245.268 104.732 80.205 225.000 92.035 422.950 938.040 1361.672 998.502 403.707 1358.912 kk-en 76.333 114.253 96.895 113.105 77.123 379.772 155.753 76.119 277.613 468.135 416.235 479.140 348.474 92.434 112.868 88.209 87.642 1032.200 606.519 en-kk 94.558 257.086 355.045 347.619 593.961 520.302 1095.522 Turkic 83.733 95.129 76.372 60.806 30.259 22.535 27.916 tr-en 68.911 68.869 60.302 122.900 32.592 20.448 70.570 104.378 81.575 112.801 114.123 176.537 222.885 121.490 52.741 54.671 35.257 37.027 51.997 en-tr zh-en 70.197 67.247 57.532 67.051 56.891 76.282 75.929 57.404 136.955 189.255 444.359 351.474 333.686 Sino-Tibetan en-zh 107.600 137.063 142.657 1037.762 625.874 3096.503 3350.350 593.007 4616.783 5725.316 9906.294 10720.280 5425.175 87.650 et-en 92.147 109.943 52.565 54.972 98.860 199.050 53.515 300.714 480.139 694.489 657.737 550.033 Finno-Uaric 102.981 360.801 181.482 113.078 74.839 215.999 84.806 864.364 1254.723 920.077 en-et 511.052 389.730 1252.180