Translation Performance (chrF) Ilama-3.2-90b-Language gemma2-9b Ilama3-70b Ilama3-8b Ilama-3.1-70b Ilama-3.1-8b 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 Family vision de-en 61.305 58.258 65.084 62.403 67.251 59.291 62.555 67.120 35.968 33.367 22.558 24.876 30.810 en-de 59.534 55.760 63.845 59.640 64.682 48.983 57.726 64.091 27.825 28.833 18.595 19.544 27.420 Indo-European-Germanic 36.044 40.549 52.576 37.610 52.222 15.623 17.768 9.267 11.719 17.503 49.064 37.145 36.962 en-cs 54.752 51.217 58.316 55.137 61.329 56.562 51.195 61.365 27.684 24.580 16.682 20.818 26.112 cs-en fr-de 52.049 46.652 51.598 45.573 53.276 32.993 45.506 53.796 26.292 23.709 20.024 21.542 29.257 Indo-European-Romance de-fr 59.967 51.681 58.744 46.485 58.441 48.791 49.622 58.915 26.073 29.949 21.690 22.510 28.427 13.621 59.611 53.255 58.111 49.717 64.164 32.363 36.502 63.966 16.809 10.775 7.803 14.618 qu-en Indo-Iranian-41.233 14.032 34.555 3.325 52.312 7.794 2.365 51.907 0.504 1.744 0.251 1.923 7.592 en-gu Indic (Indo-54.649 59.749 61.474 34.823 30.254 bn-en 60.409 65.805 70.517 56.894 69.968 37.512 23.158 25.412 Aryan 43.499 41.545 50.799 47.520 62.360 43.872 62.428 23.177 24.489 15.093 17.348 22.110 en-bn 16.603 50.950 46.664 47.895 21.721 20.102 21.012 lt-en 51.480 51.205 54.877 41.599 54.540 22.576 17.438 Indo-European-Baltic en-It 45.523 37.611 45.518 35.375 45.144 28.704 29.004 45.058 20.228 15.553 12.632 13.067 18.192 55.570 57.935 59.005 58.038 62.878 30.819 22.969 24.756 33.236 66.847 61.539 63.002 32.050 Indo-Europeanru-en Slavic 64.842 50.053 58.691 50.430 56.812 46.558 47.848 55.924 5.207 25.853 11.930 13.020 25.127 en-ru fi-en 63.786 45.373 53.760 51.351 57.288 50.834 44.597 57.933 31.200 22.815 16.655 20.379 25.144 Uralic en-fi 56.161 41.856 39.122 39.158 56.016 42.213 32.029 55.720 28.859 19.499 13.169 14.053 20.175 kk-en 47.803 40.252 46.326 41.177 49.212 32.454 28.984 49.414 16.009 18.895 11.786 16.461 10.669 36.187 9.501 39.402 0.324 0.383 8.285 43.543 0.675 0.809 3.387 13.168 en-kk 43.603 16.452 Turkic 46.544 49.122 54.025 59.110 28.044 22.344 29.017 tr-en 54.844 55.767 59.197 45.775 29.104 20.767 50.992 35.024 49.569 33.358 55.221 43.365 32.043 54.862 17.168 21.117 12.955 14.159 22.134 en-tr zh-en 53.353 52.988 60.692 56.872 61.537 58.629 57.181 61.586 35.854 43.209 28.867 32.362 36.634 Sino-Tibetan en-zh 24.750 30.788 35.415 12.848 33.895 19.463 11.435 34.787 5.207 9.938 5.335 4.330 12.633 49.102 51.247 52.379 58.720 et-en 54.515 57.983 59.413 48.734 27.984 26.413 18.203 20.146 23.657 Finno-Uaric 38.105 35.690 42.458 33.792 44.856 32.246 30.613 44.689 22.352 24.798 17.798 20.290 en-et 14.157