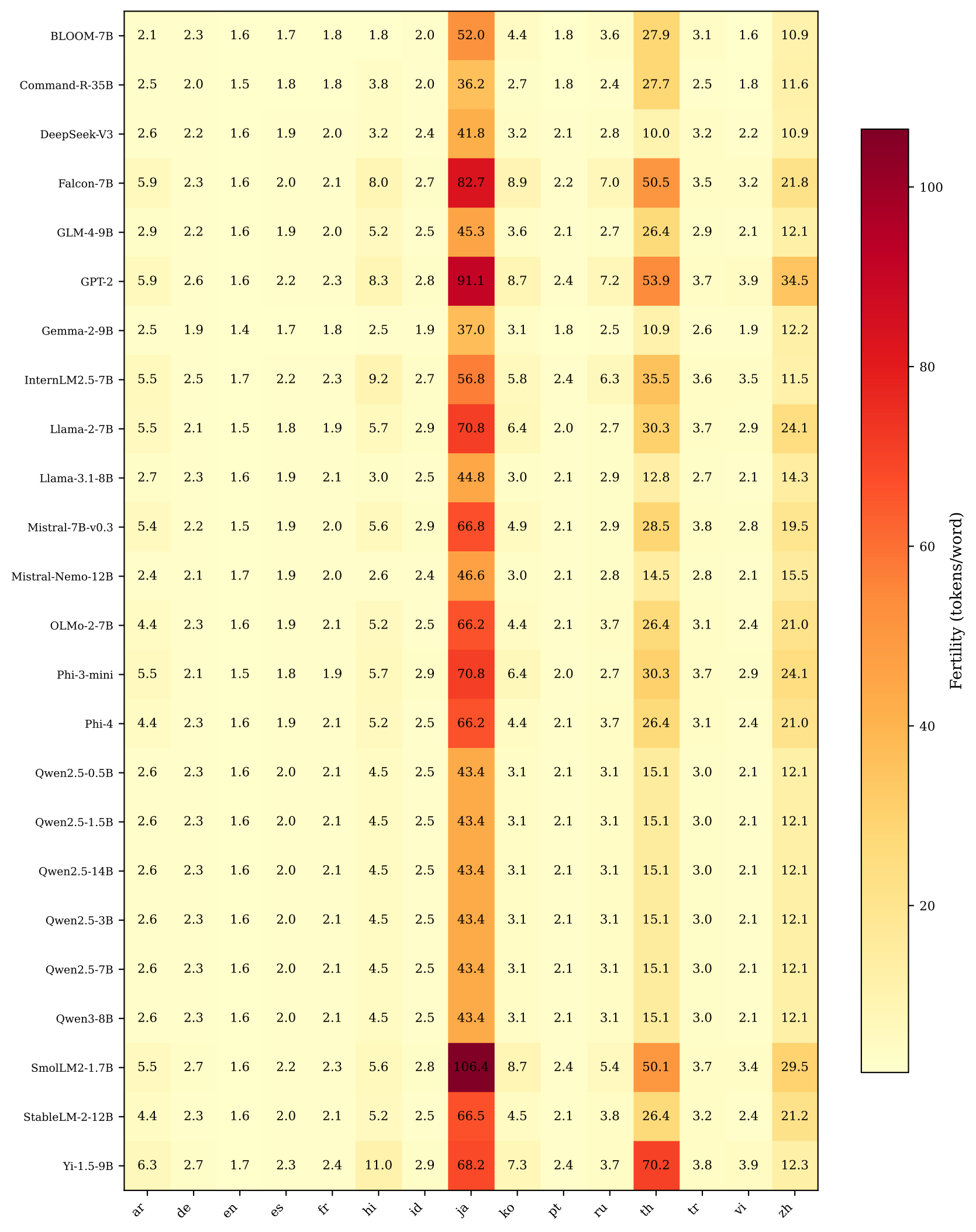
BLOOM-7B 2.1 2.3 1.6 1.7 1.8 1.8 2.0 52.0 4.4 1.8 3.6 27.9 3.1 1.6 10.9
Command-R-35B 2.5 2.0 1.5 1.8 1.8 3.8 2.0 36.2 2.7 1.8 2.4 27.7 2.5 1.8 11.6
DeepSeek-V3 2.6 2.2 1.6 1.9 2.0 3.2 2.4 41.8 3.2 2.1 2.8 10.0 3.2 2.2 10.9
Falcon-7B 5.9 2.3 1.6 2.0 2.1 8.0 2.7 82.7 8.9 2.2 7.0 50.5 3.5 3.2 21.8
GLM-4-9B 2.9 2.2 1.6 1.9 2.0 5.2 2.5 45.3 3.6 2.1 2.7 26.4 2.9 2.1 12.1
GPT-2 5.9 2.6 1.6 2.2 2.3 8.3 2.8 91.1 8.7 2.4 7.2 53.9 3.7 3.9 34.5
Gemma-2-9B 2.5 1.9 1.4 1.7 1.8 2.5 1.9 37.0 3.1 1.8 2.5 10.9 2.6 1.9 12.2
InternLM2.5-7B 5.5 2.5 1.7 2.2 2.3 9.2 2.7 56.8 5.8 2.4 6.3 35.5 3.6 3.5 11.5
Llama-2-7B 5.5 2.1 1.5 1.8 1.9 5.7 2.9 70.8 6.4 2.0 2.7 30.3 3.7 2.9 24.1
Llama-3.1-8B 2.7 2.3 1.6 1.9 2.1 3.0 2.5 44.8 3.0 2.1 2.9 12.8 2.7 2.1 14.3
Mistral-7B-v0.3 5.4 2.2 1.5 1.9 2.0 5.6 2.9 66.8 4.9 2.1 2.9 28.5 3.8 2.8 19.5
Mistral-Nemo-12B 2.4 2.1 1.7 1.9 2.0 2.6 2.4 46.6 3.0 2.1 2.8 14.5 2.8 2.1 15.5
OLMo-2-7B 4.4 2.3 1.6 1.9 2.1 5.2 2.5 66.2 4.4 2.1 3.7 26.4 3.1 2.4 21.0
Phi-3-mini 5.5 2.1 1.5 1.8 1.9 5.7 2.9 70.8 6.4 2.0 2.7 30.3 3.7 2.9 24.1
Phi-4 4.4 2.3 1.6 1.9 2.1 5.2 2.5 66.2 4.4 2.1 3.7 26.4 3.1 2.4 21.0
Qwen2.5-0.5B 2.6 2.3 1.6 2.0 2.1 4.5 2.5 43.4 3.1 2.1 3.1 15.1 3.0 2.1 12.1
Qwen2.5-1.5B 2.6 2.3 1.6 2.0 2.1 4.5 2.5 43.4 3.1 2.1 3.1 15.1 3.0 2.1 12.1
Qwen2.5-14B 2.6 2.3 1.6 2.0 2.1 4.5 2.5 43.4 3.1 2.1 3.1 15.1 3.0 2.1 12.1
Qwen2.5-3B 2.6 2.3 1.6 2.0 2.1 4.5 2.5 43.4 3.1 2.1 3.1 15.1 3.0 2.1 12.1
Qwen2.5-7B 2.6 2.3 1.6 2.0 2.1 4.5 2.5 43.4 3.1 2.1 3.1 15.1 3.0 2.1 12.1
Qwen3-8B 2.6 2.3 1.6 2.0 2.1 4.5 2.5 43.4 3.1 2.1 3.1 15.1 3.0 2.1 12.1
SmolLM2-1.7B 5.5 2.7 1.6 2.2 2.3 5.6 2.8 106.4 8.7 2.4 5.4 50.1 3.7 3.4 29.5
StableLM-2-12B 4.4 2.3 1.6 2.0 2.1 5.2 2.5 66.5 4.5 2.1 3.8 26.4 3.2 2.4 21.2
Yi-1.5-9B 6.3 2.7 1.7 2.3 2.4 11.0 2.9 68.2 7.3 2.4 3.7 70.2 3.8 3.9 12.3
ar de en es fr hi id ja ko pt ru th tr vi zh
Fertility (tokens/word)
100
80
60
40
20