Representation overall performance (ndcg@5)

Model	ndcg@5
llama3-8b	0.441
llama3.1-8b	0.436
llama3-8b-instruct	0.428
llama3.1-8b-instruct	0.427
gte-qwen2-7b-instruct	0.398
multilingual-e5-large	0.398
qwen2.5-3b-instruct	0.396
qwen2.5-3b	0.394
qwen2.5-7b-instruct	0.390
qwen3-4b	0.385
e5-mistral-7b-instruct	0.384
sfr-embedding-mistral	0.383
qwen3-4b-instruct	0.381
deepseek-llm-7b-base	0.379
multilingual-e5-base	0.373
qwen3-embedding-8b	0.371
deepseek-coder-6.7b-instruct	0.368
facebook-contriever	0.367
deepseek-llm-7b-chat	0.354
qwen3-embedding-4b	0.354
qwen3-embedding-0.6b	0.334
e5-base-v2	0.328
e5-large-v2	0.319
gte-large-en-v1.5	0.314
bert-base-uncased	0.311
bge-base-zh-v1.5	0.297
all-roberta-large-v1	0.296
nomic-embed-text-v1.5	0.295
nomic-embed-text-v1	0.295
facebook-contriever-msmarco	0.294
bge-large-zh-v1.5	0.294
e5-small-v2	0.293
snowflake-arctic-embed-l-v2	0.289
gte-large	0.285
bge-large-en-v1.5	0.284
bge-base-en-v1.5	0.282
mxbai-embed-large-v1	0.278
gte-base	0.274
all-mpnet-base-v2	0.272
paraphrase-mpnet-base-v2	0.271
distiluse-base-multilingual-cased-v2	0.266
bge-small-en-v1.5	0.264
bge-m3	0.263
msmarco-distilbert-base-v4	0.255
all-minilm-l12-v2	0.254
all-minilm-l6-v2	0.251
allenai-specter	0.251
jina-embeddings-v2-small-en	0.242
paraphrase-multilingual-mpnet-base-v2	0.232
jina-embeddings-v2-base-en	0.086

tfidf (red dashed line)