

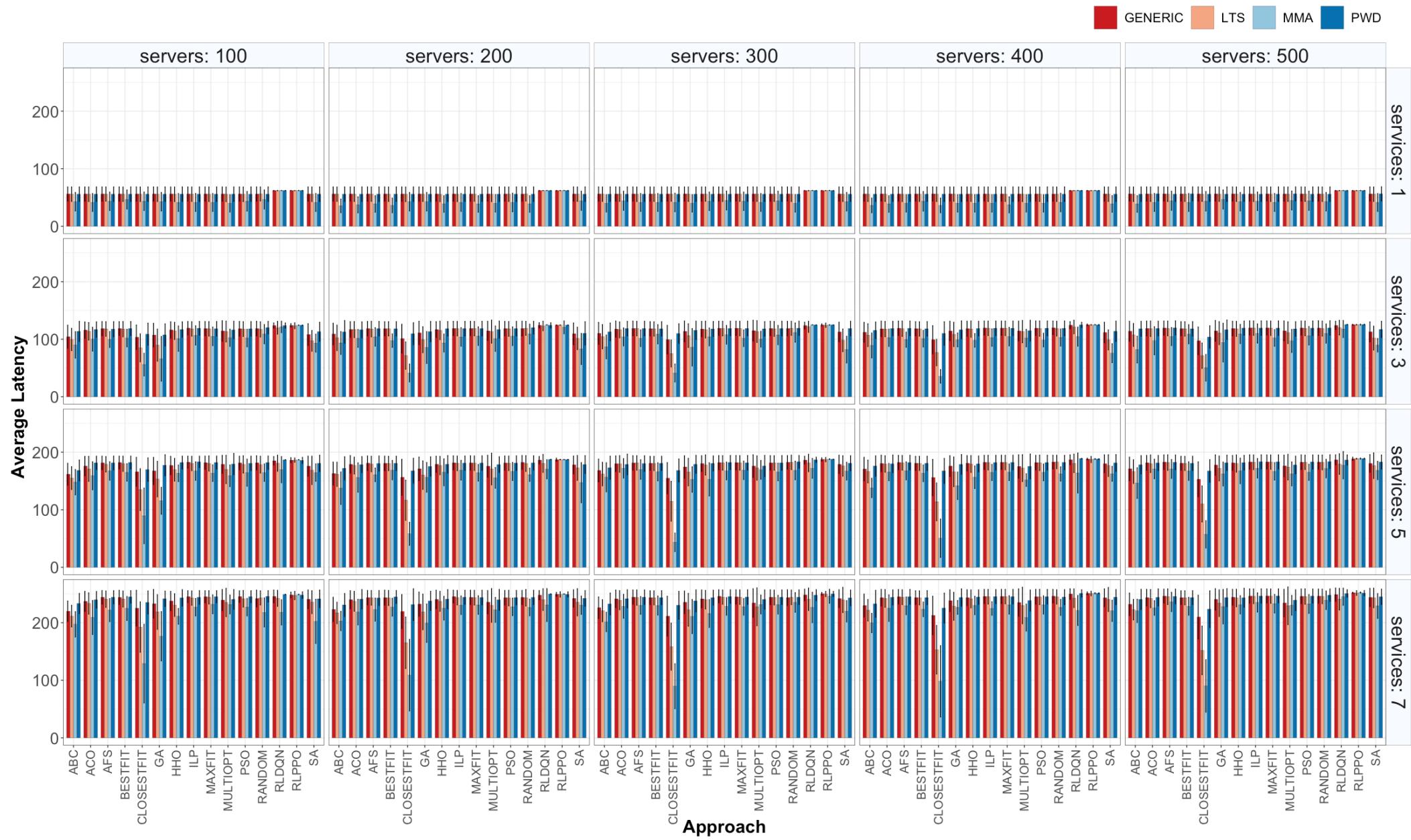
# Dynamic Service Placement in Edge Computing: A Comparative Evaluation of Nature-Inspired Algorithms

Complete results of the experiments with 5 scenarios as per the table given below:

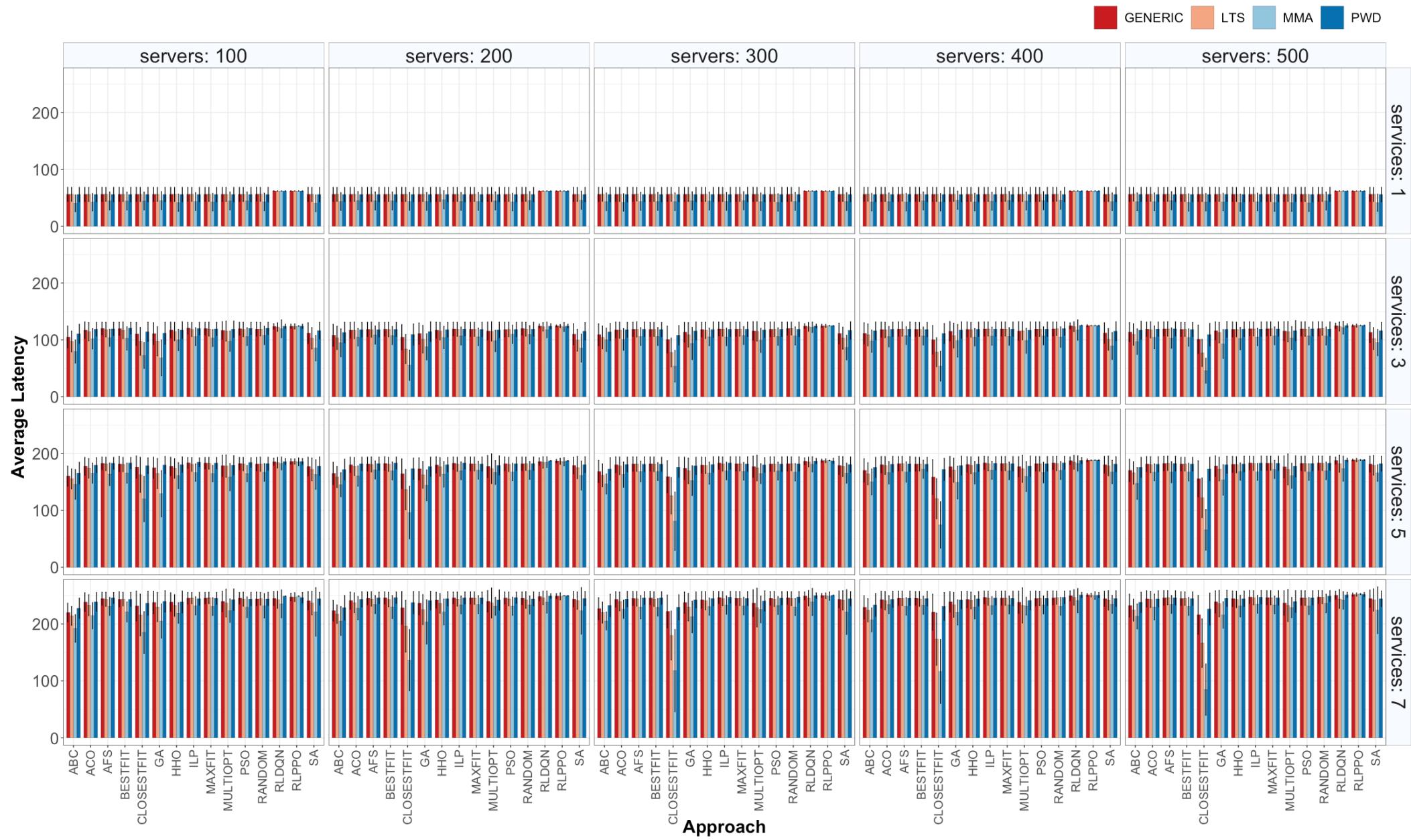
Scenario	Application Type	Number of Users	$\lambda$	Avg Requests Generated
Scenario 1 (100 users)	Generic	50	24'	556
	LTS	30	24'	147
	MMA	10	30'	15
	PWD	10	24'	49
Scenario 2 (200 users)	Generic	100	24'	1118
	LTS	60	24'	288
	MMA	20	30'	34
	PWD	20	24'	97
Scenario 3 (300 users)	Generic	150	24'	1686
	LTS	90	24'	433
	MMA	30	30'	49
	PWD	30	24'	144
Scenario 4 (400 users)	Generic	200	24'	2246
	LTS	120	24'	575
	MMA	40	30'	67
	PWD	40	24'	195
Scenario 5 (500 users)	Generic	250	24'	2833
	LTS	150	24'	728
	MMA	50	30'	84
	PWD	50	24'	234

Table 1: Evaluation scenarios: number of application requests generated during the simulation experiments.

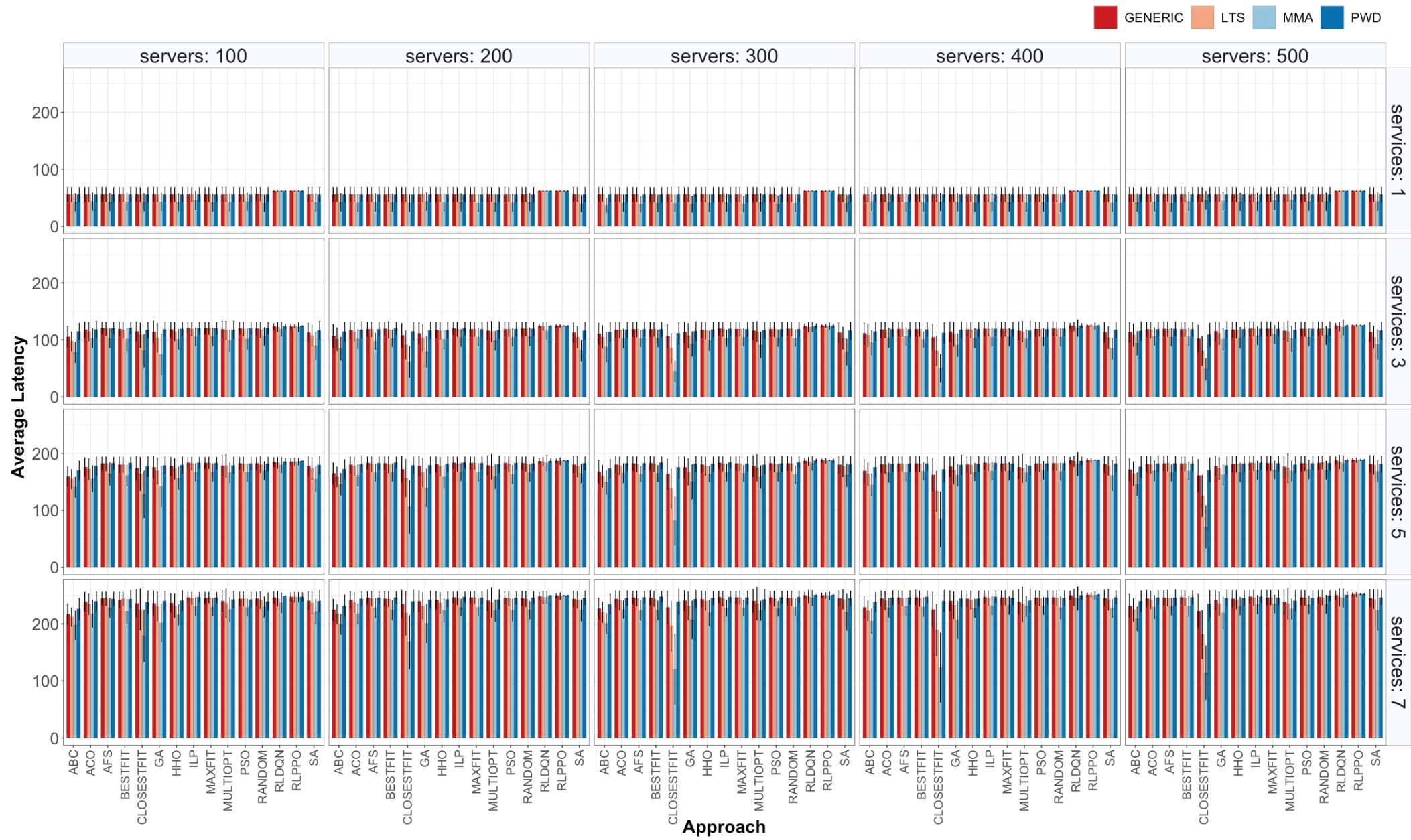
## Average Latency - SCENARIO: 01



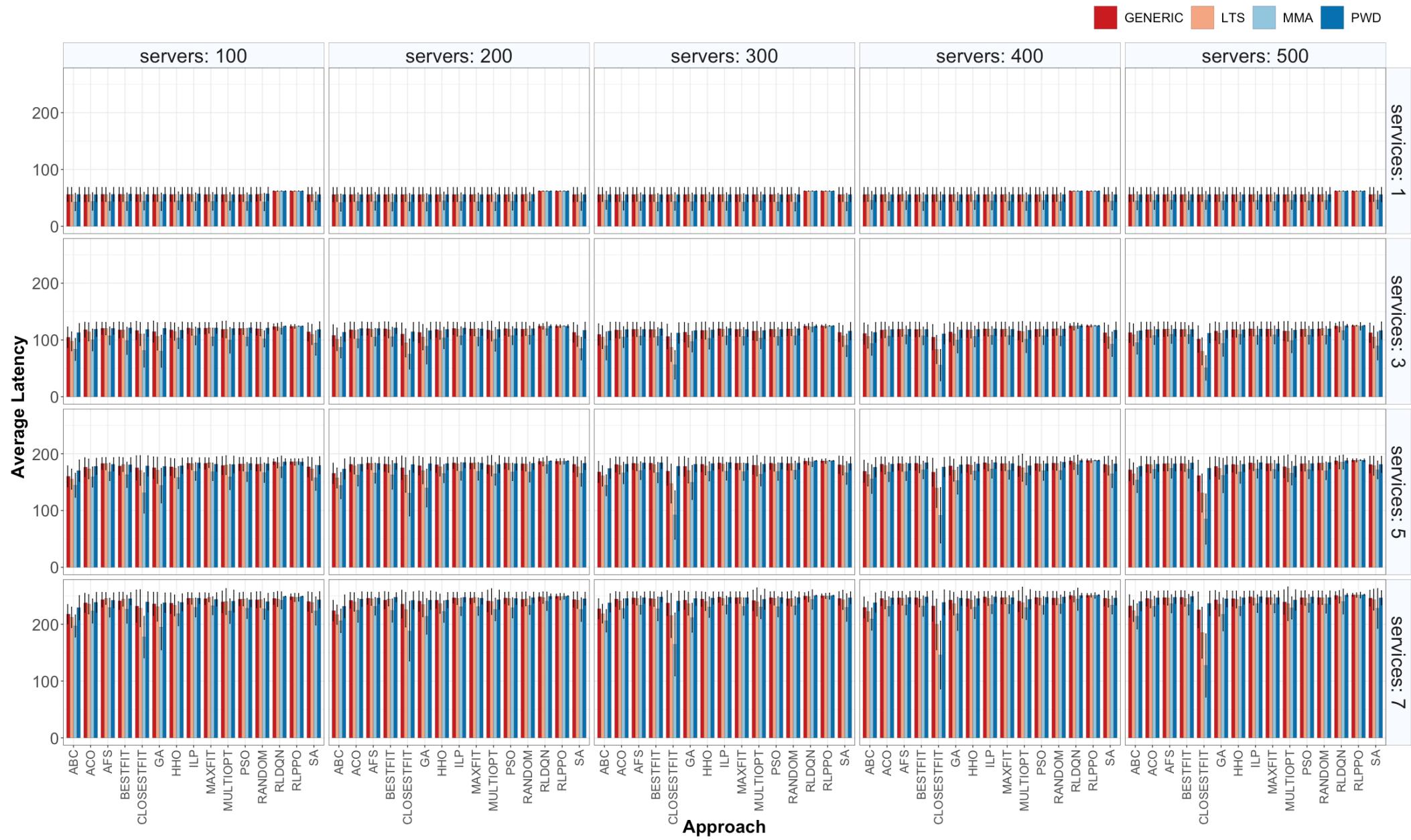
## Average Latency - SCENARIO: 02



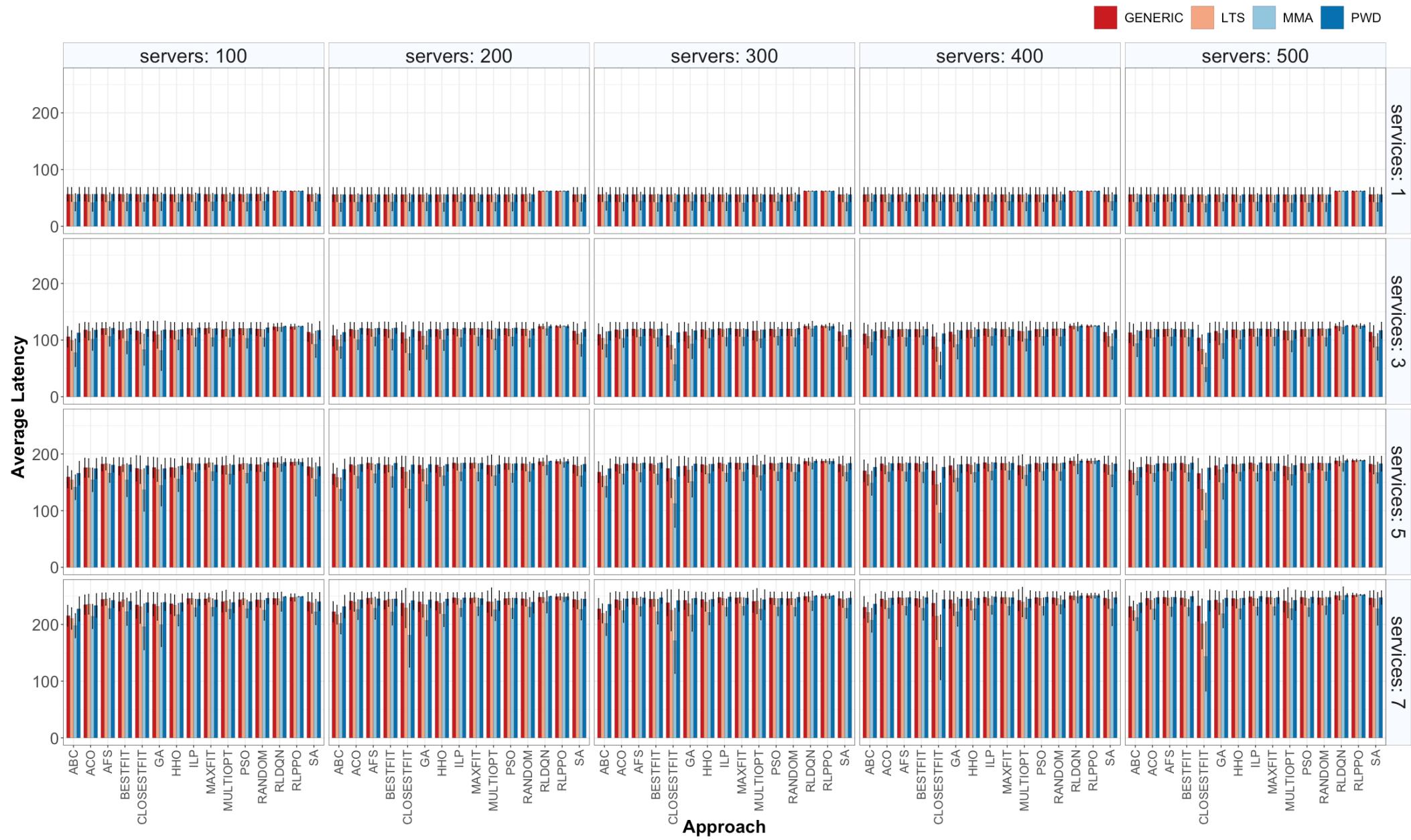
## Average Latency - SCENARIO: 03



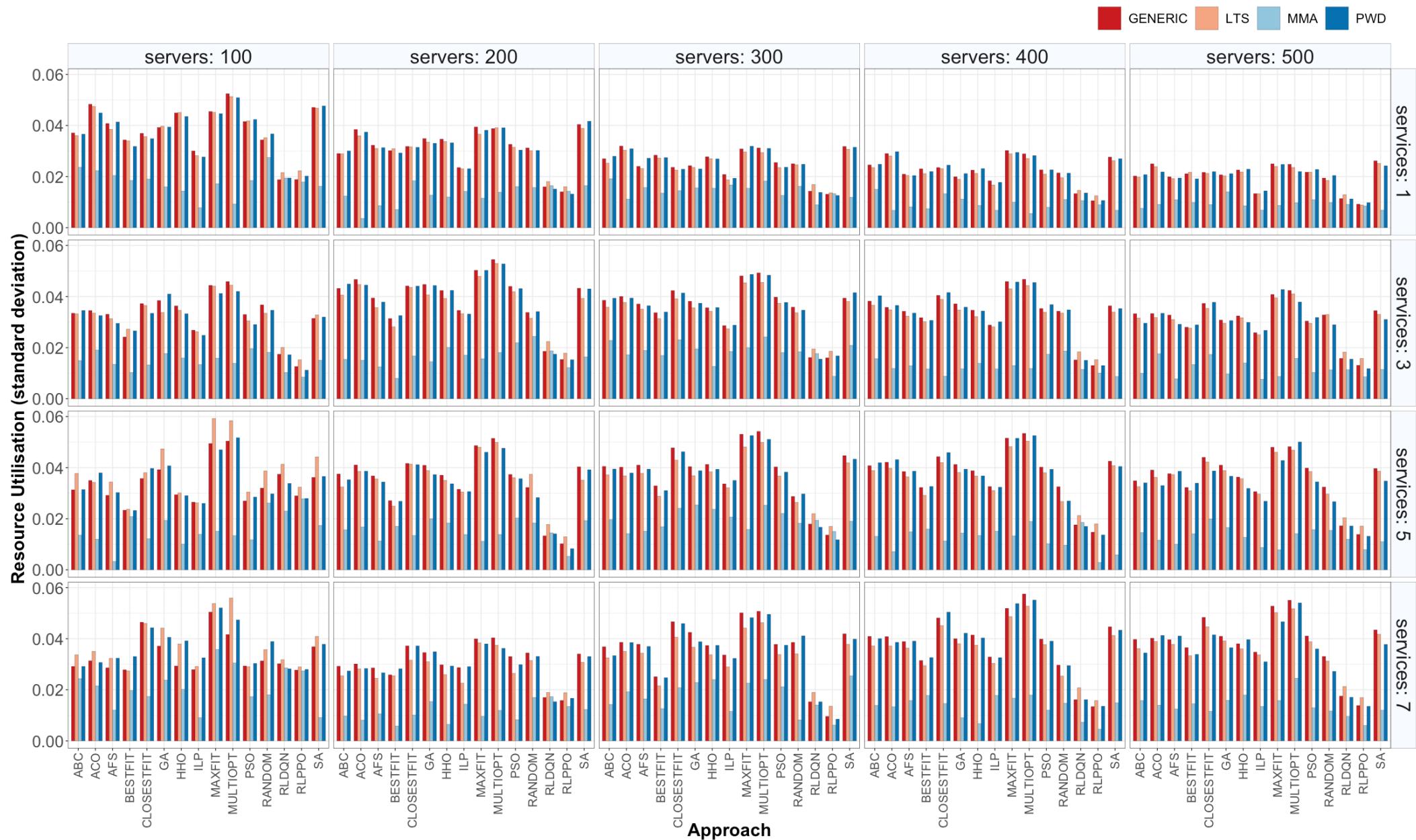
## Average Latency - SCENARIO: 04



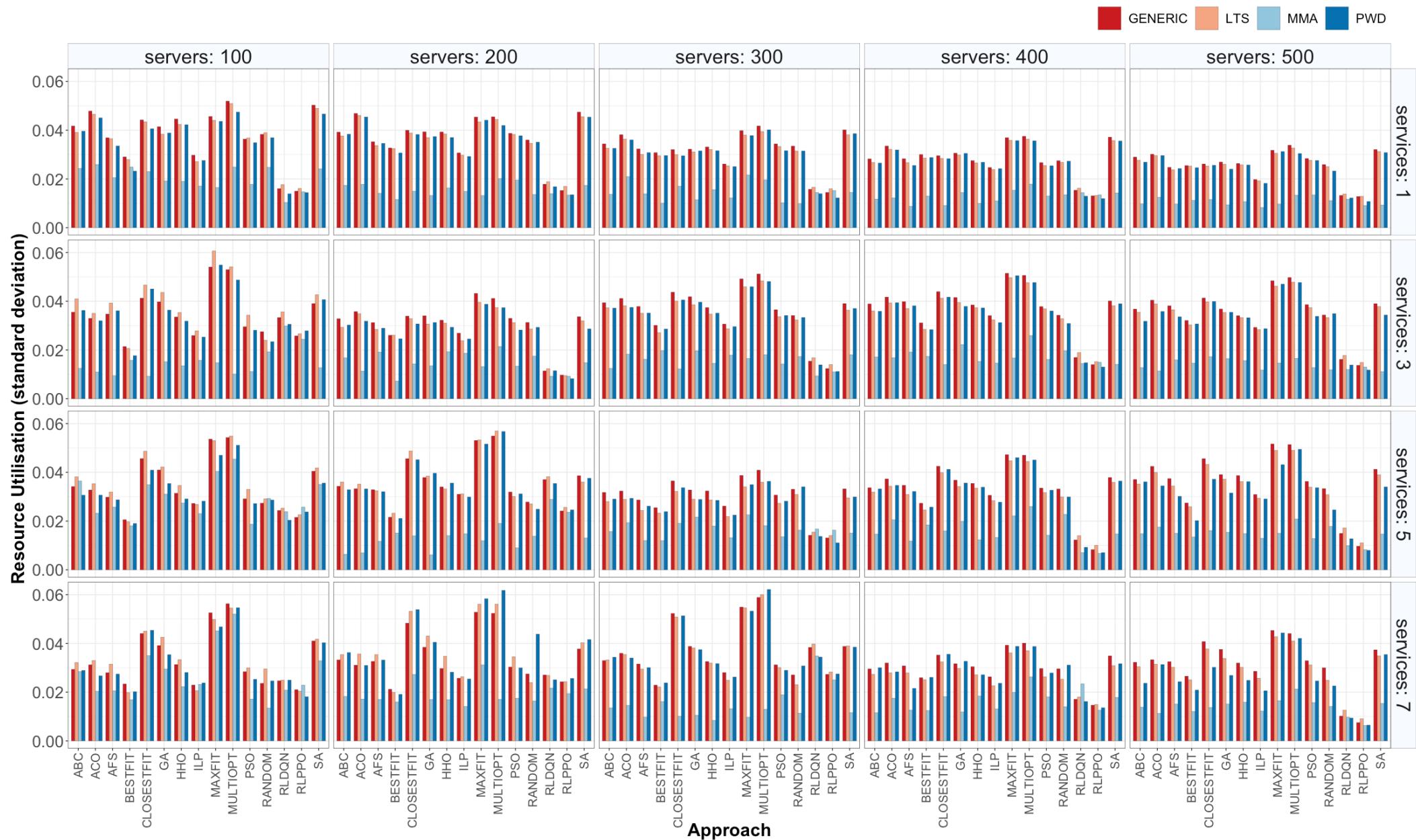
## Average Latency - SCENARIO: 05



## Resource Utilisation - SCENARIO: 01

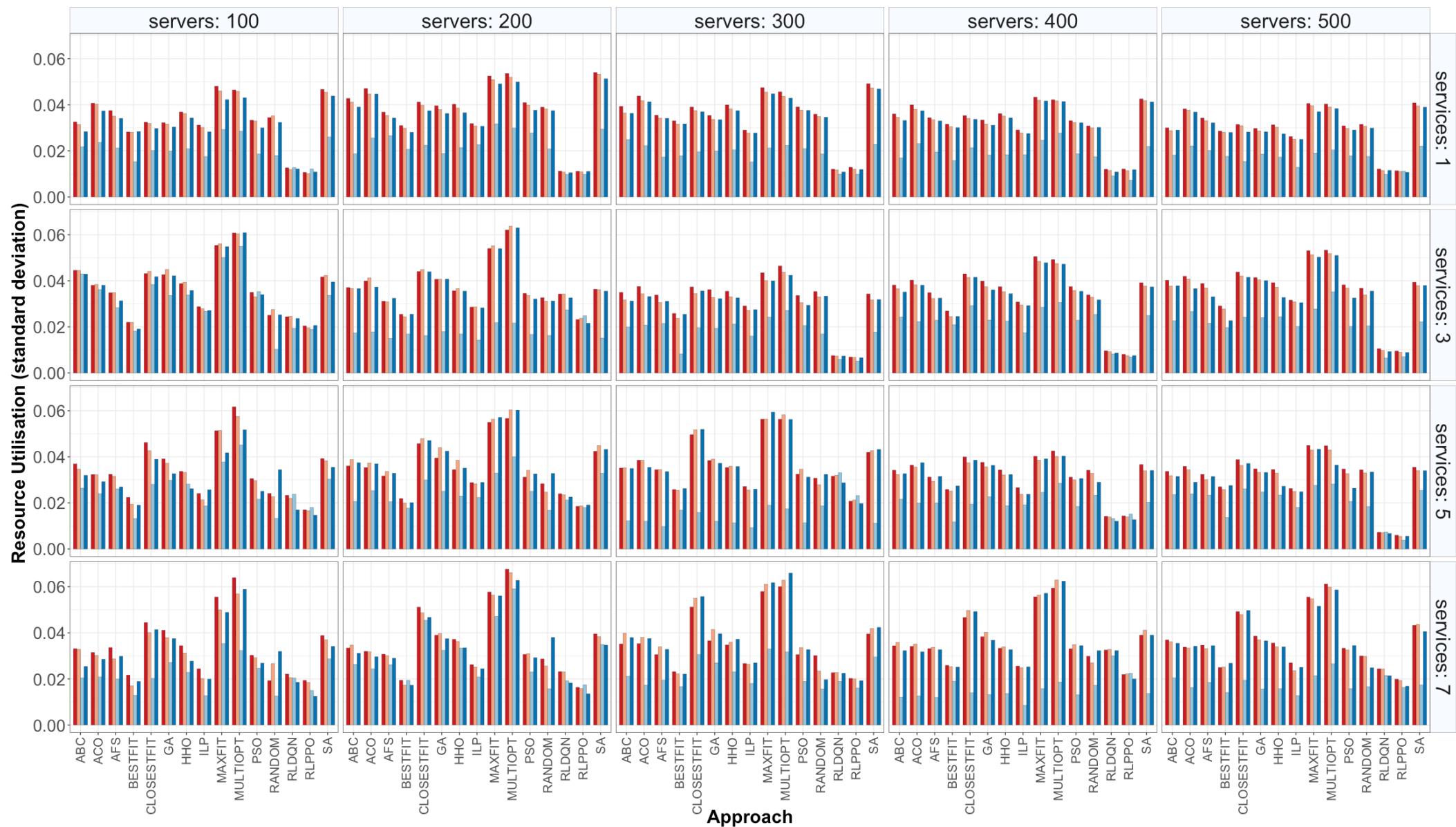


## Resource Utilisation - SCENARIO: 02

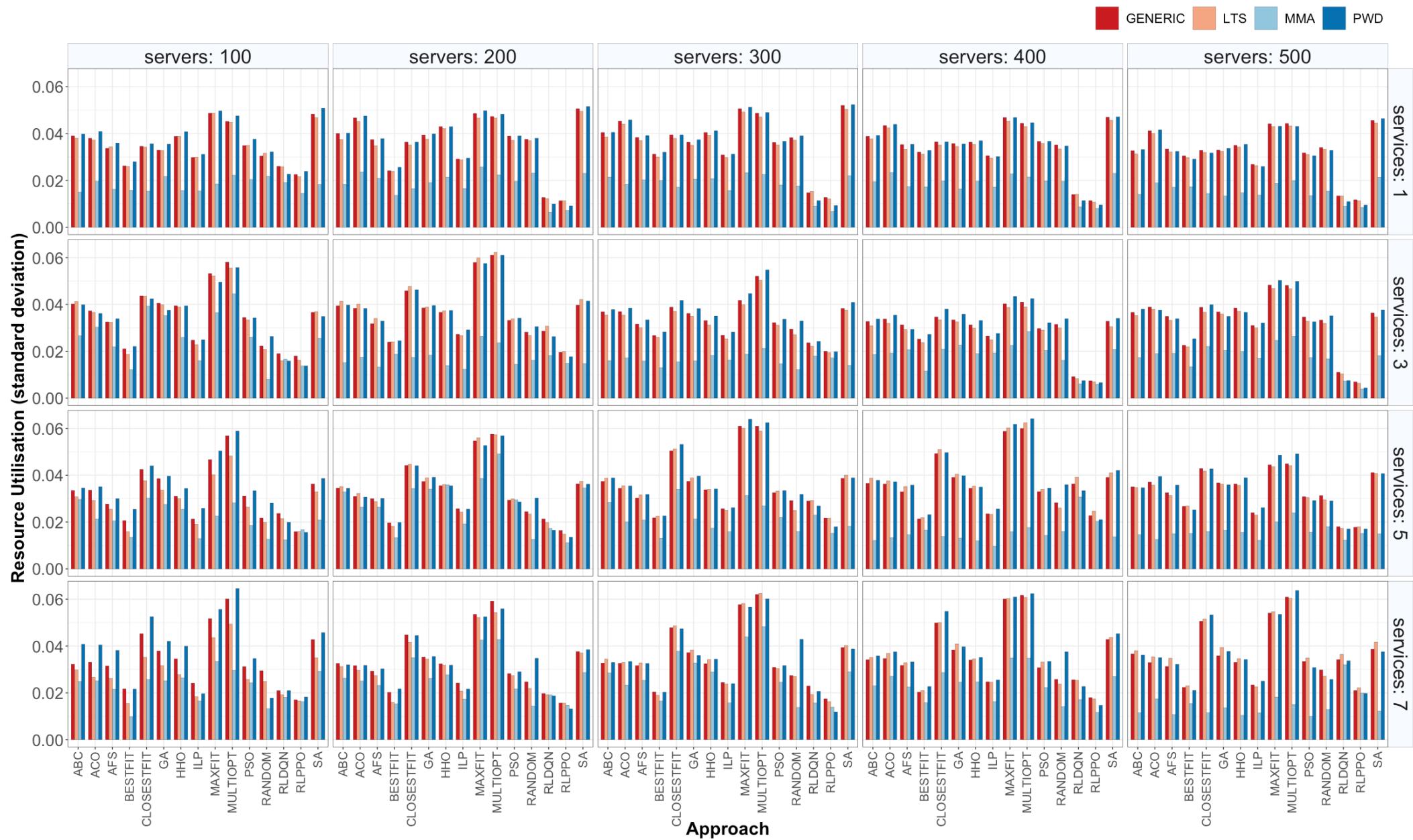


## Resource Utilisation - SCENARIO: 03

GENERIC LTS MMA PWD

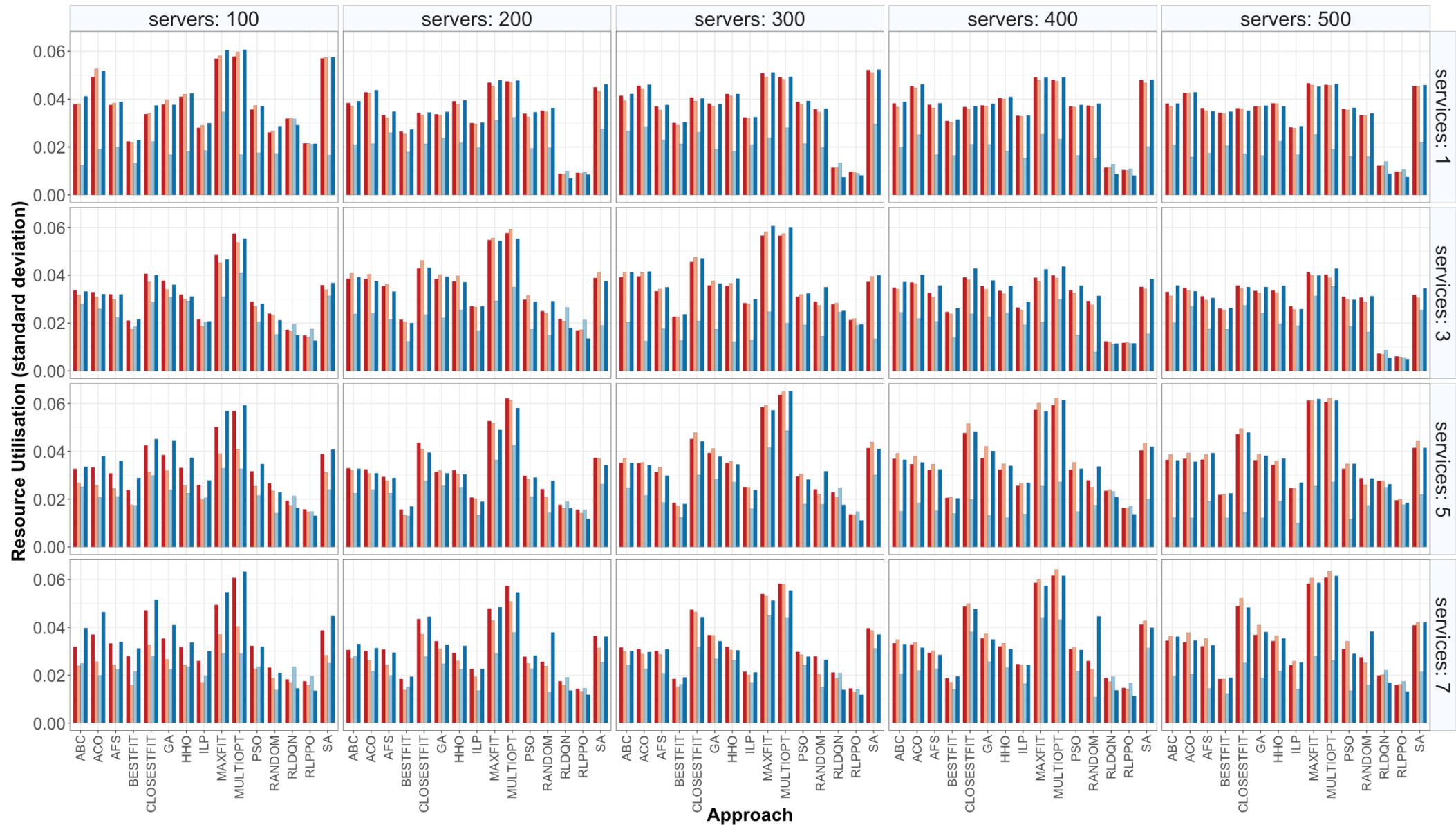


## Resource Utilisation - SCENARIO: 04

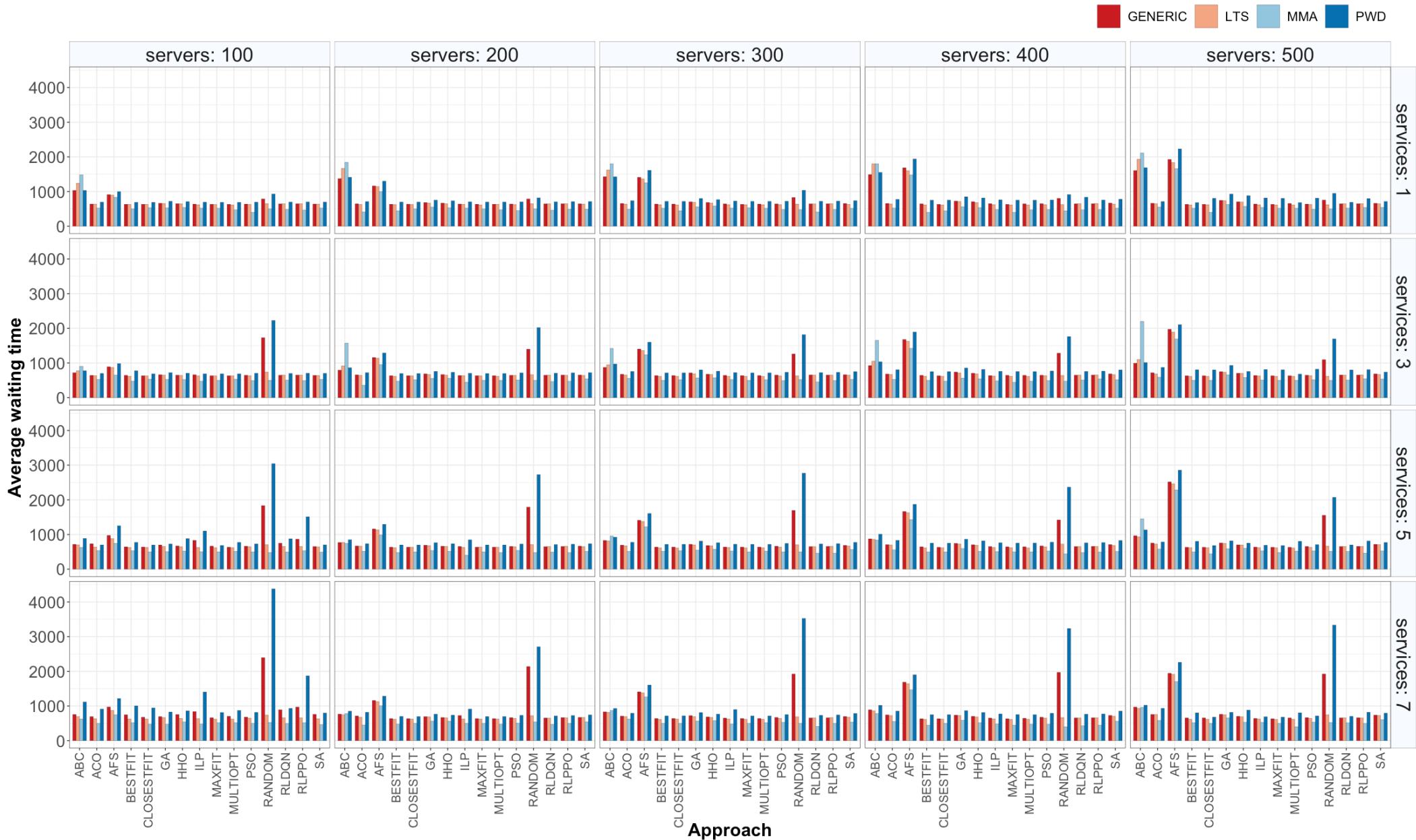


## Resource Utilisation - SCENARIO: 05

GENERIC LTS MMA PWD

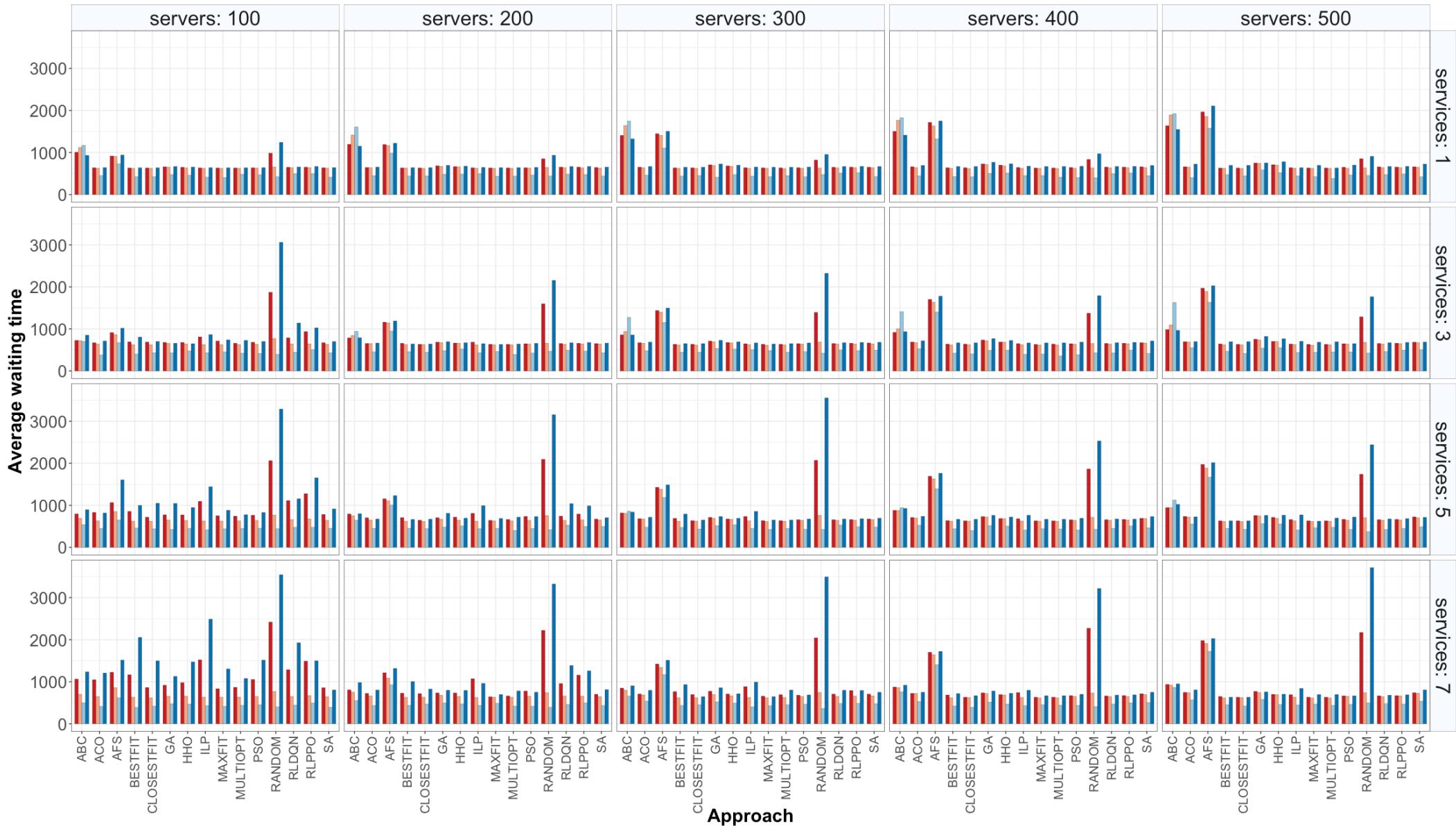


## Average Waiting Time - SCENARIO: 01

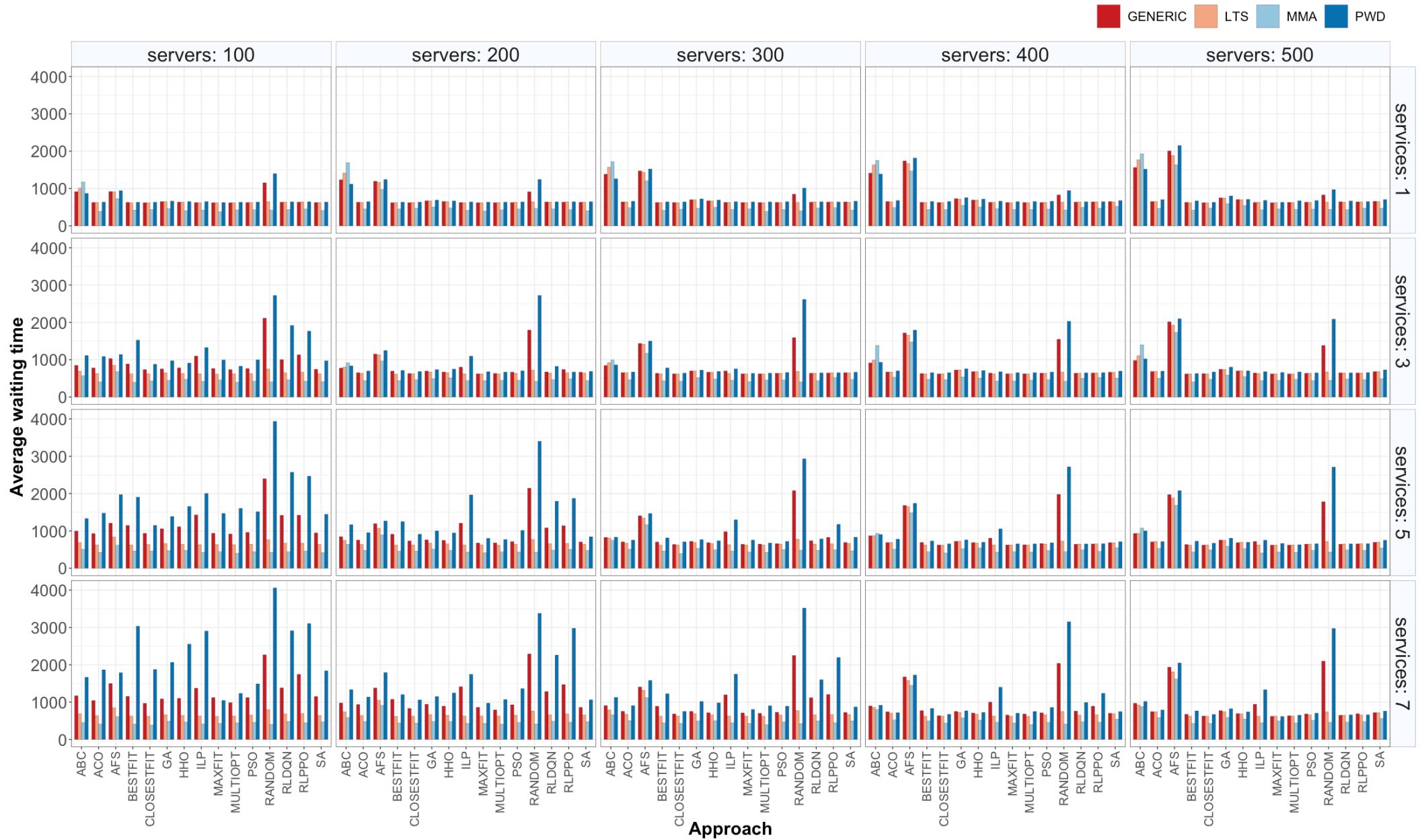


## Average Waiting Time - SCENARIO: 02

GENERAL LTS MMA PWD

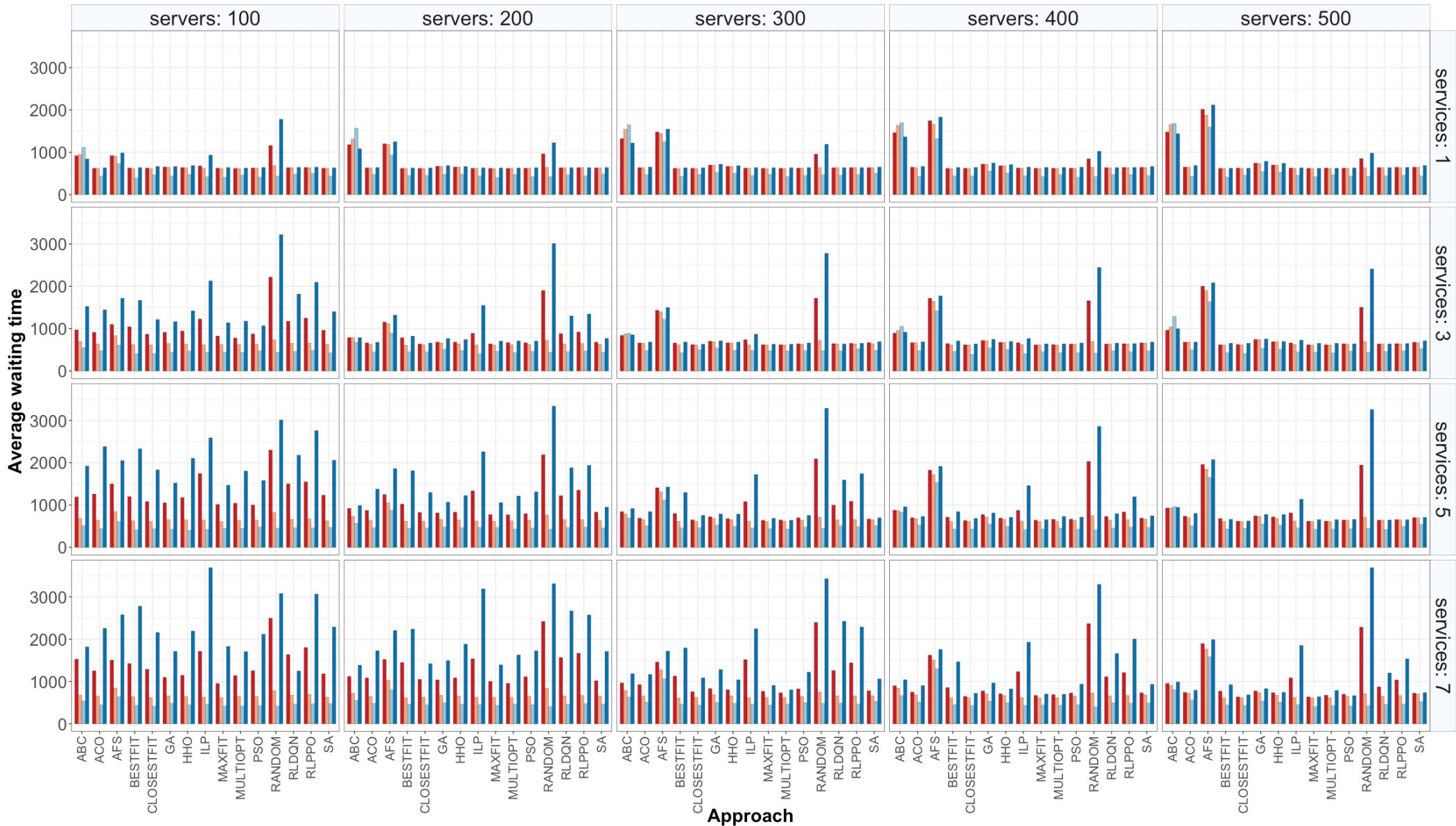


## Average Waiting Time - SCENARIO: 03

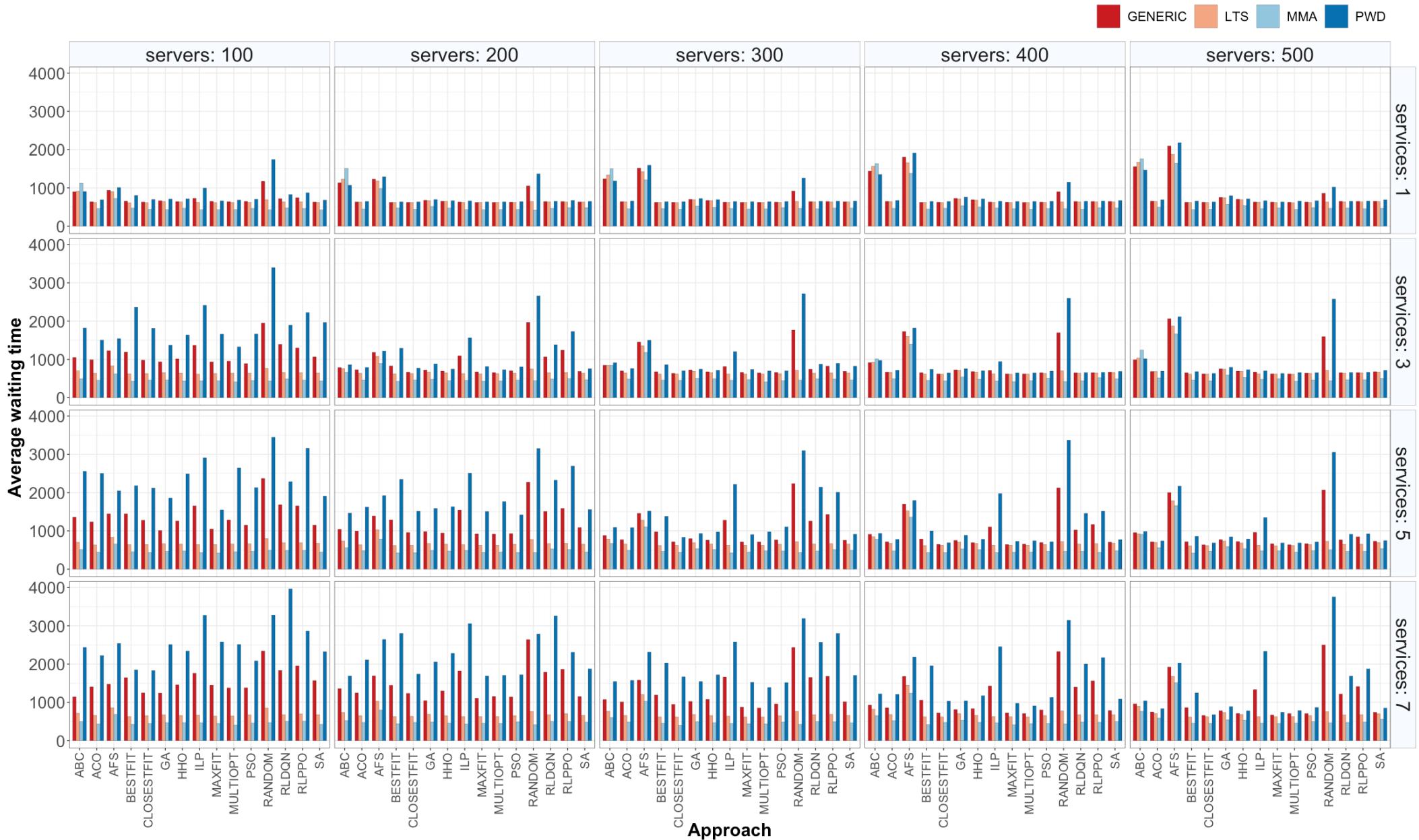


## Average Waiting Time - SCENARIO: 04

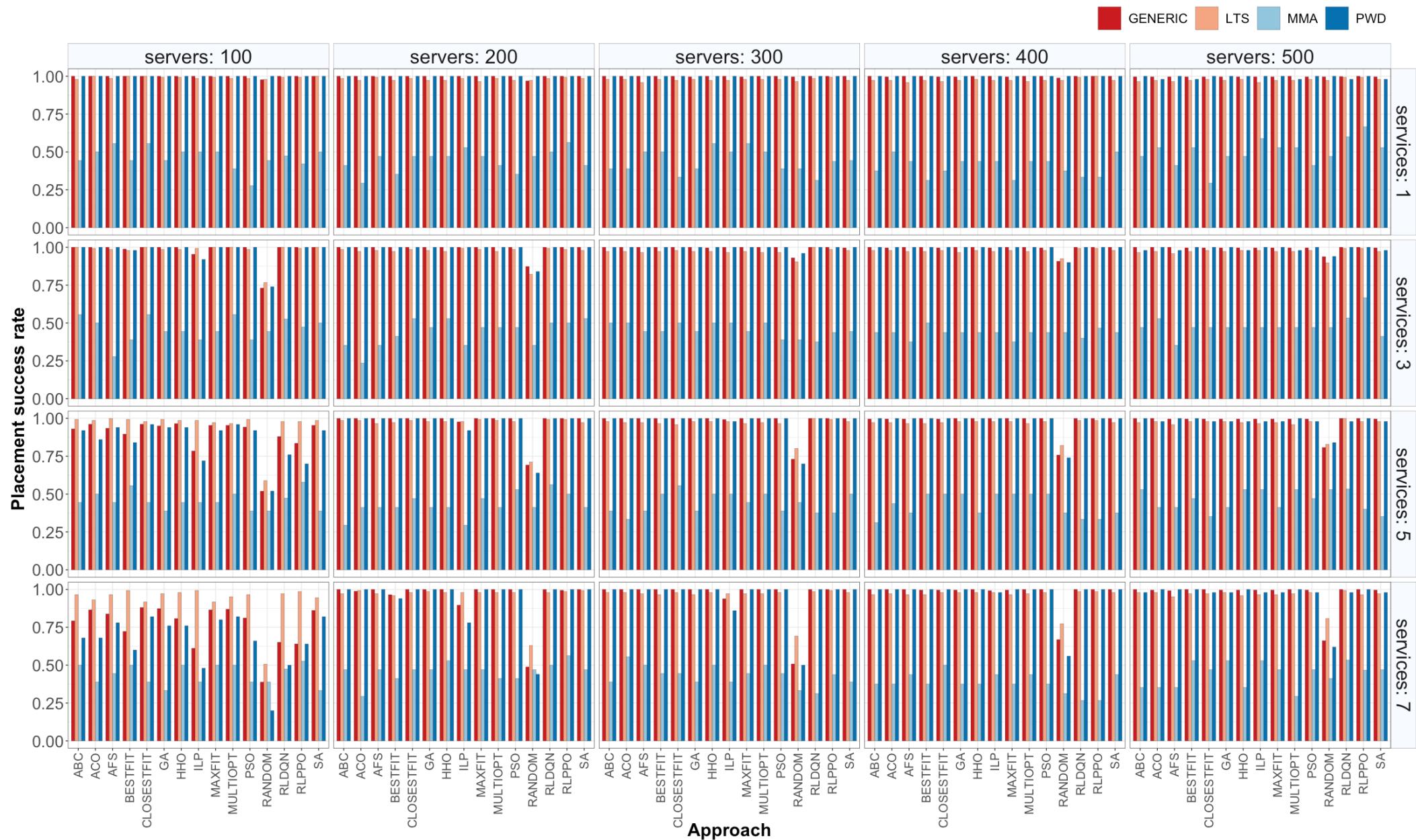
GENERAL LTS MMA PWD



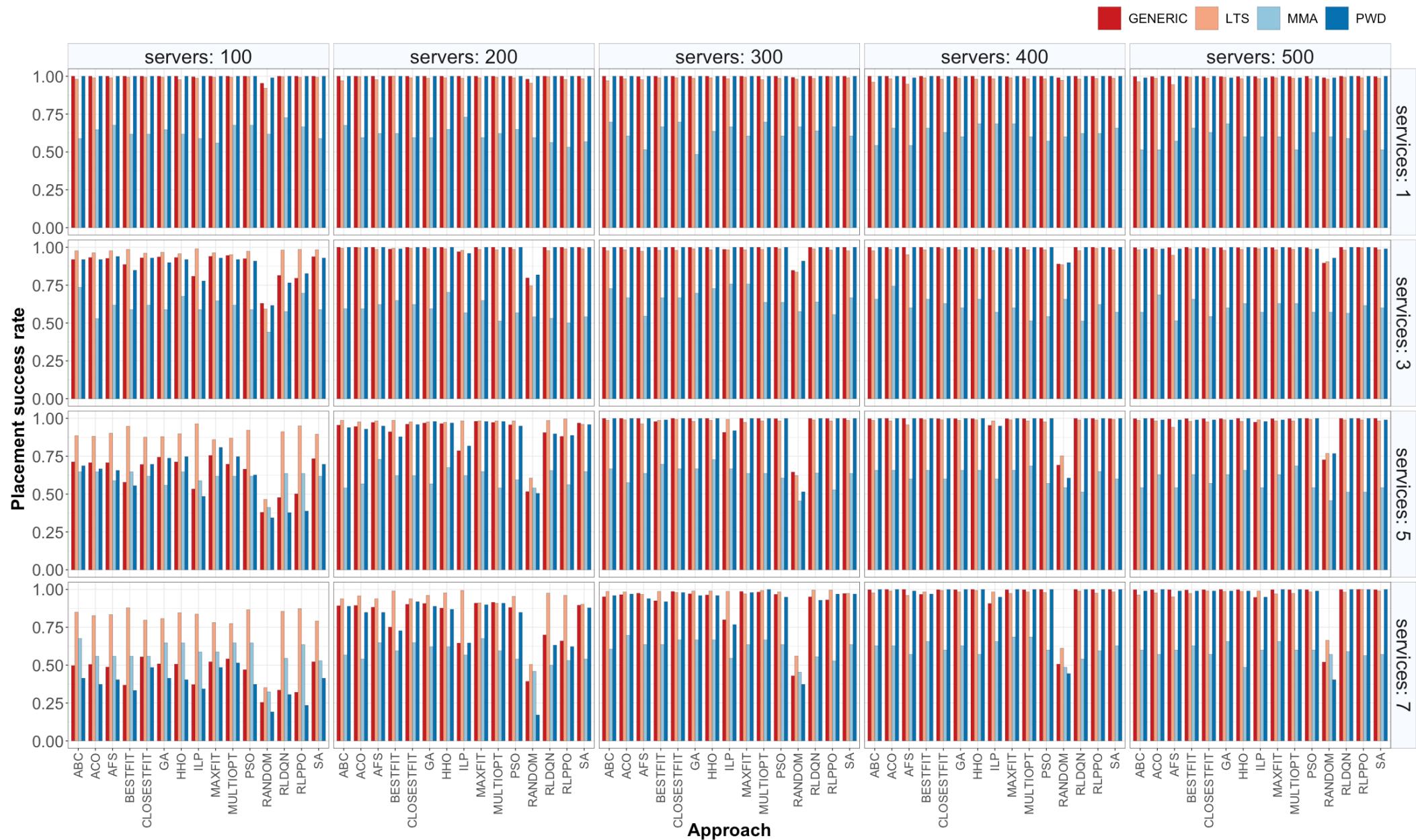
## Average Waiting Time - SCENARIO: 05



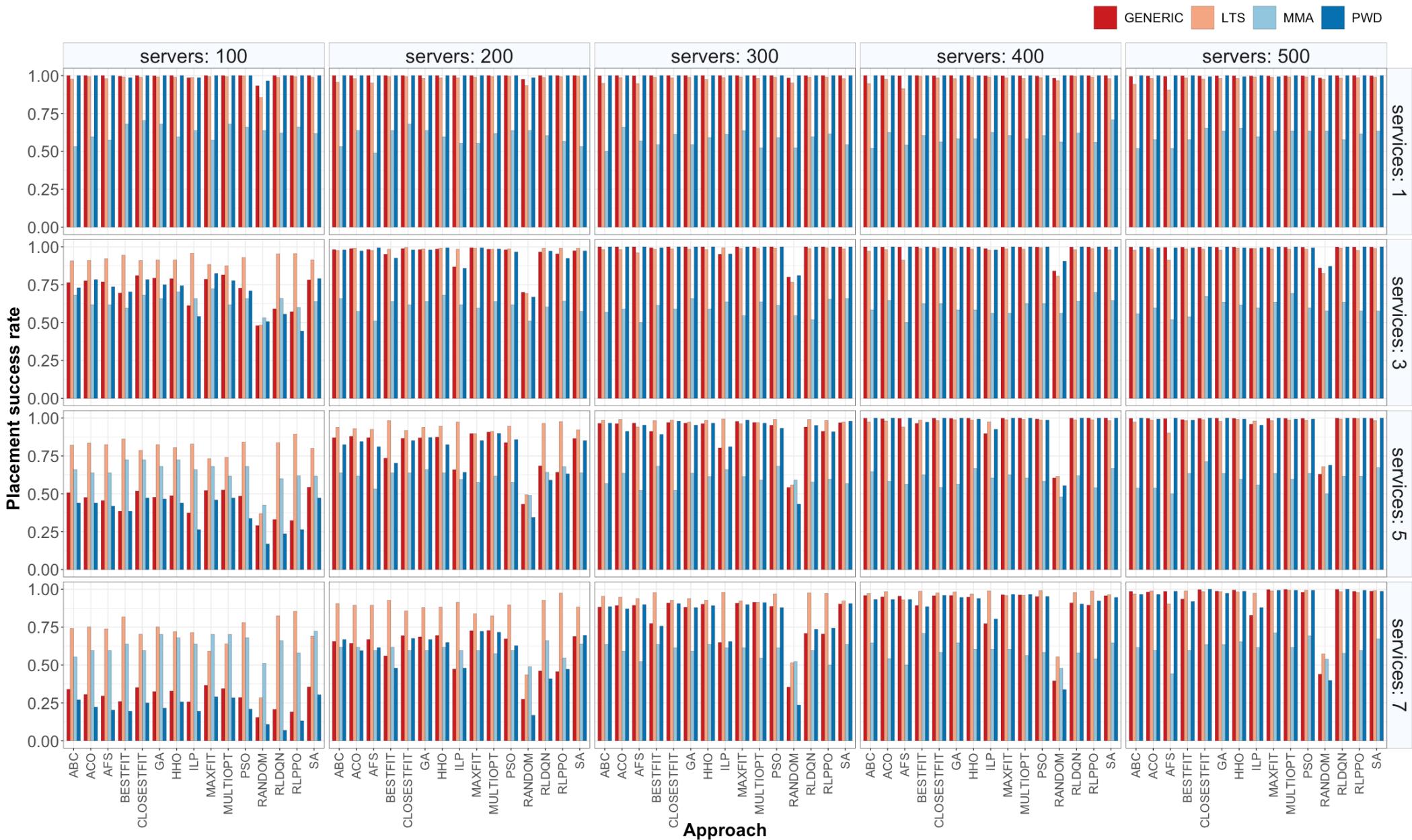
## Placement Success Rate - SCENARIO: 01



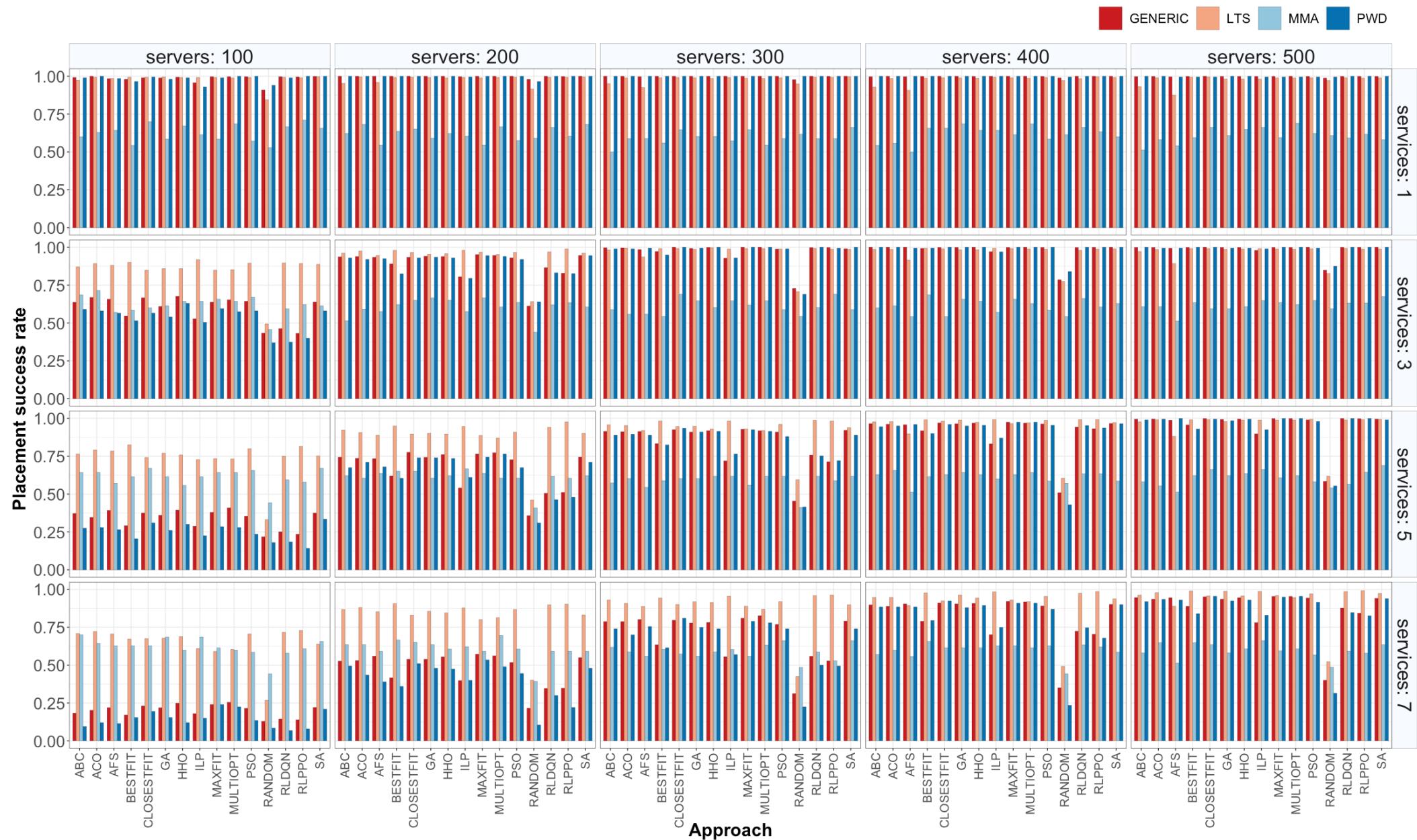
Placement Success Rate - SCENARIO: 02



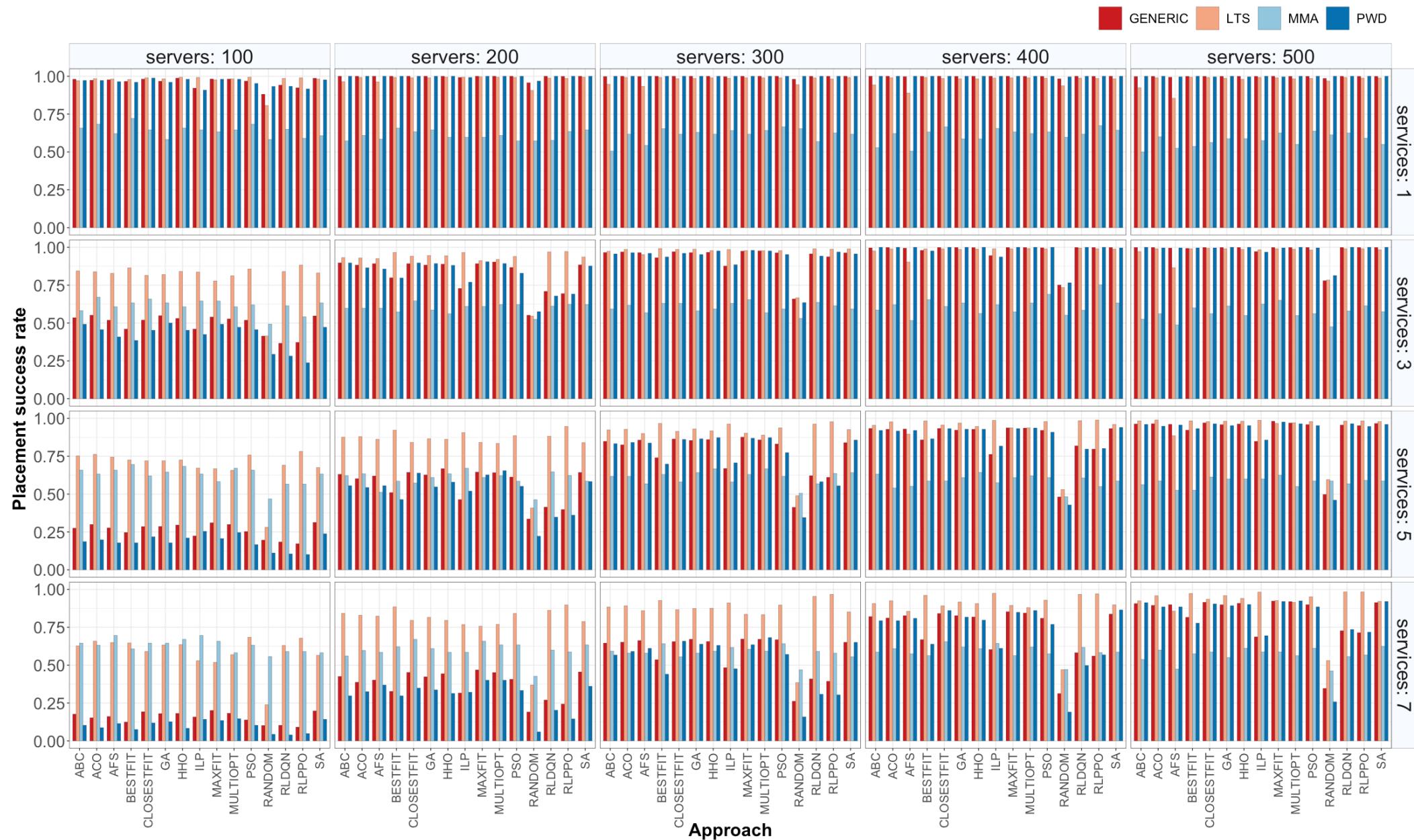
Placement Success Rate - SCENARIO: 03



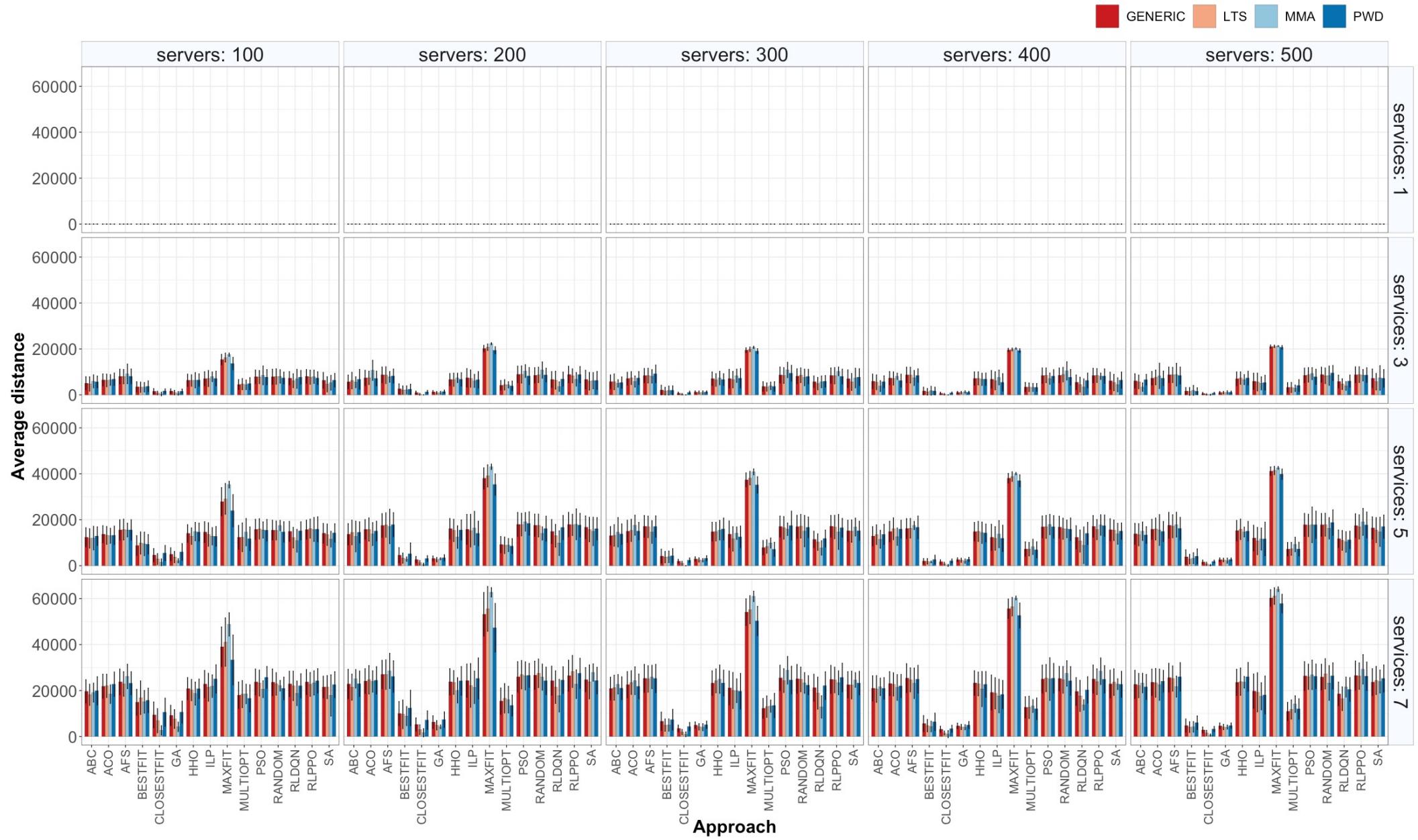
Placement Success Rate - SCENARIO: 04



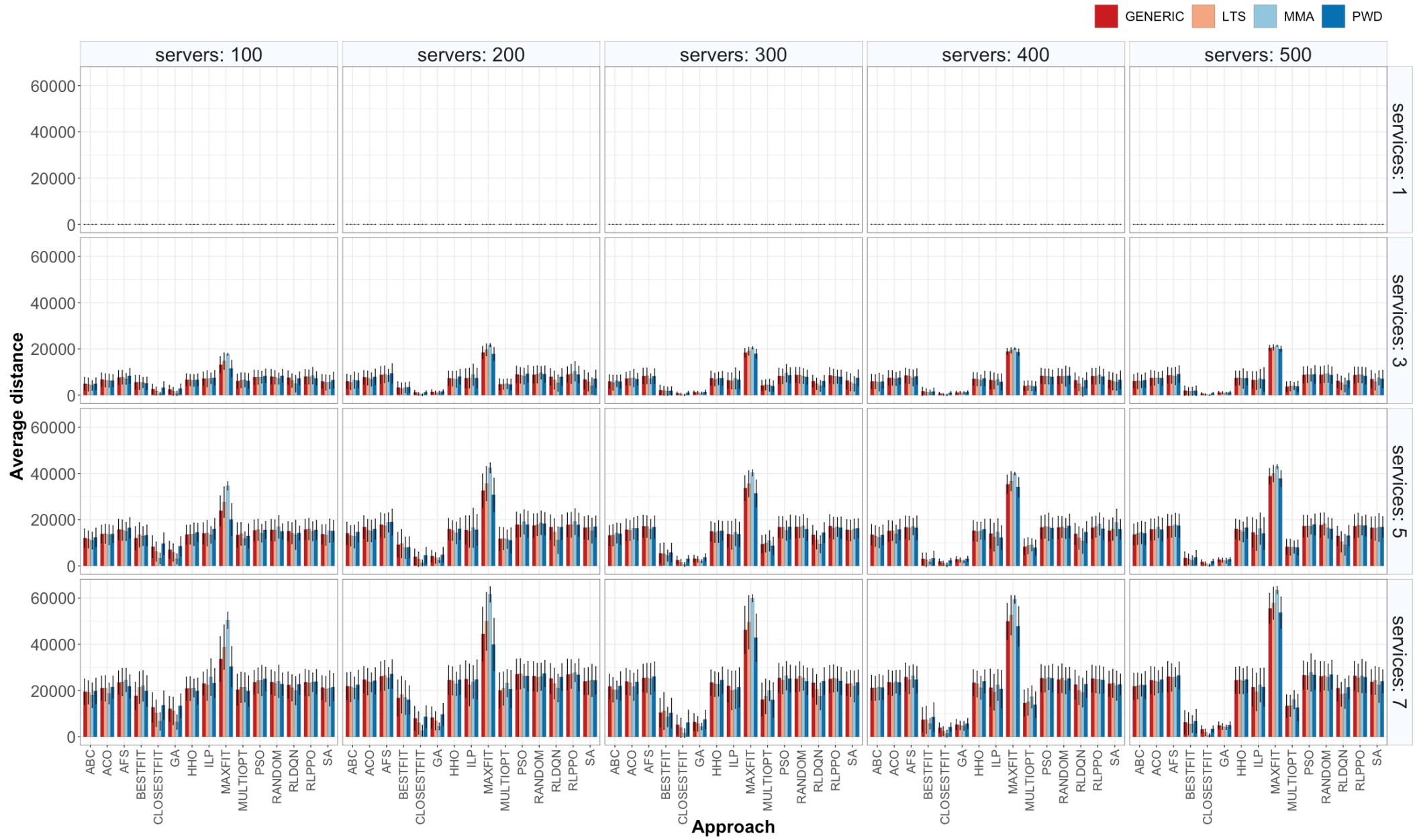
Placement Success Rate - SCENARIO: 05



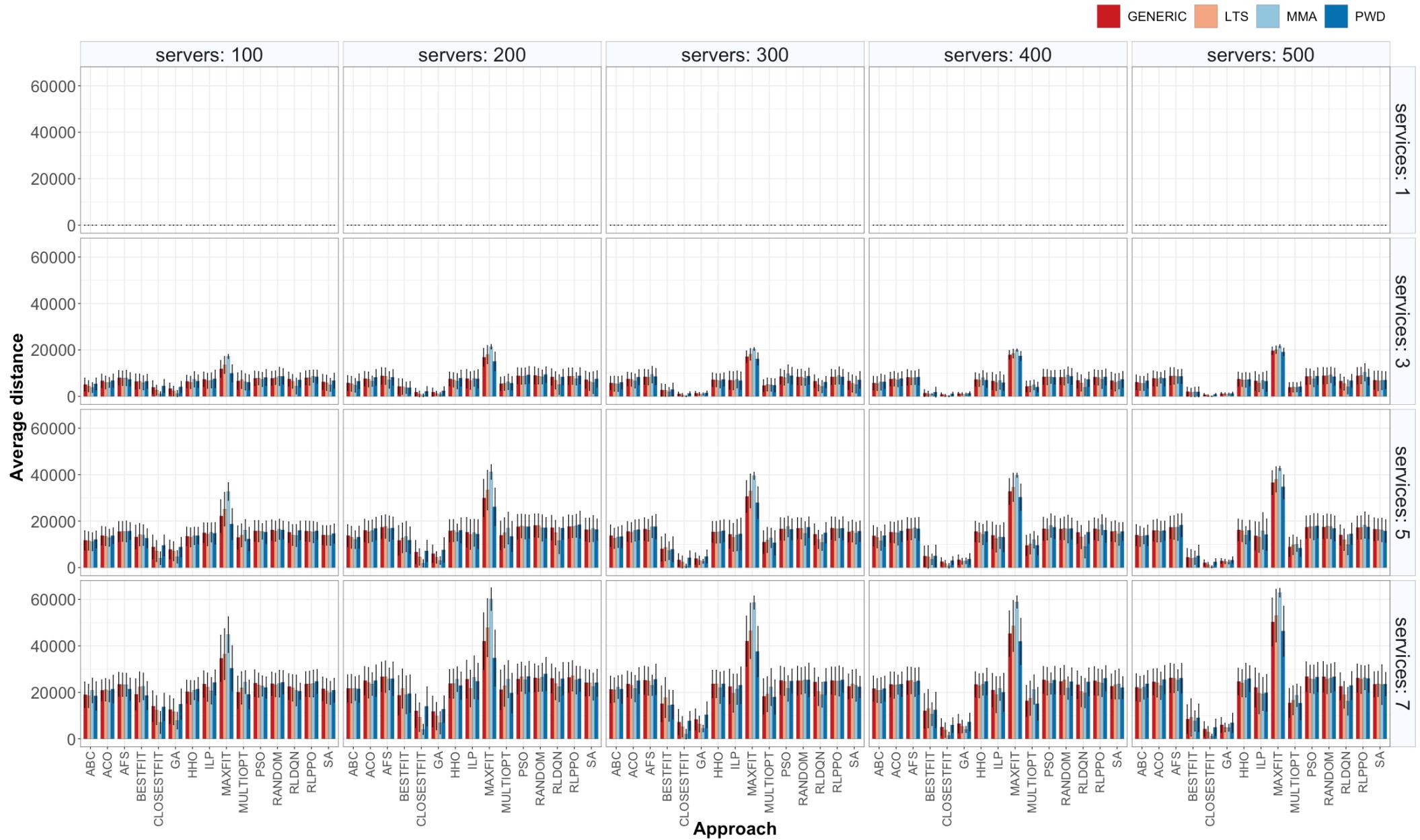
## Average Distance - SCENARIO: 01



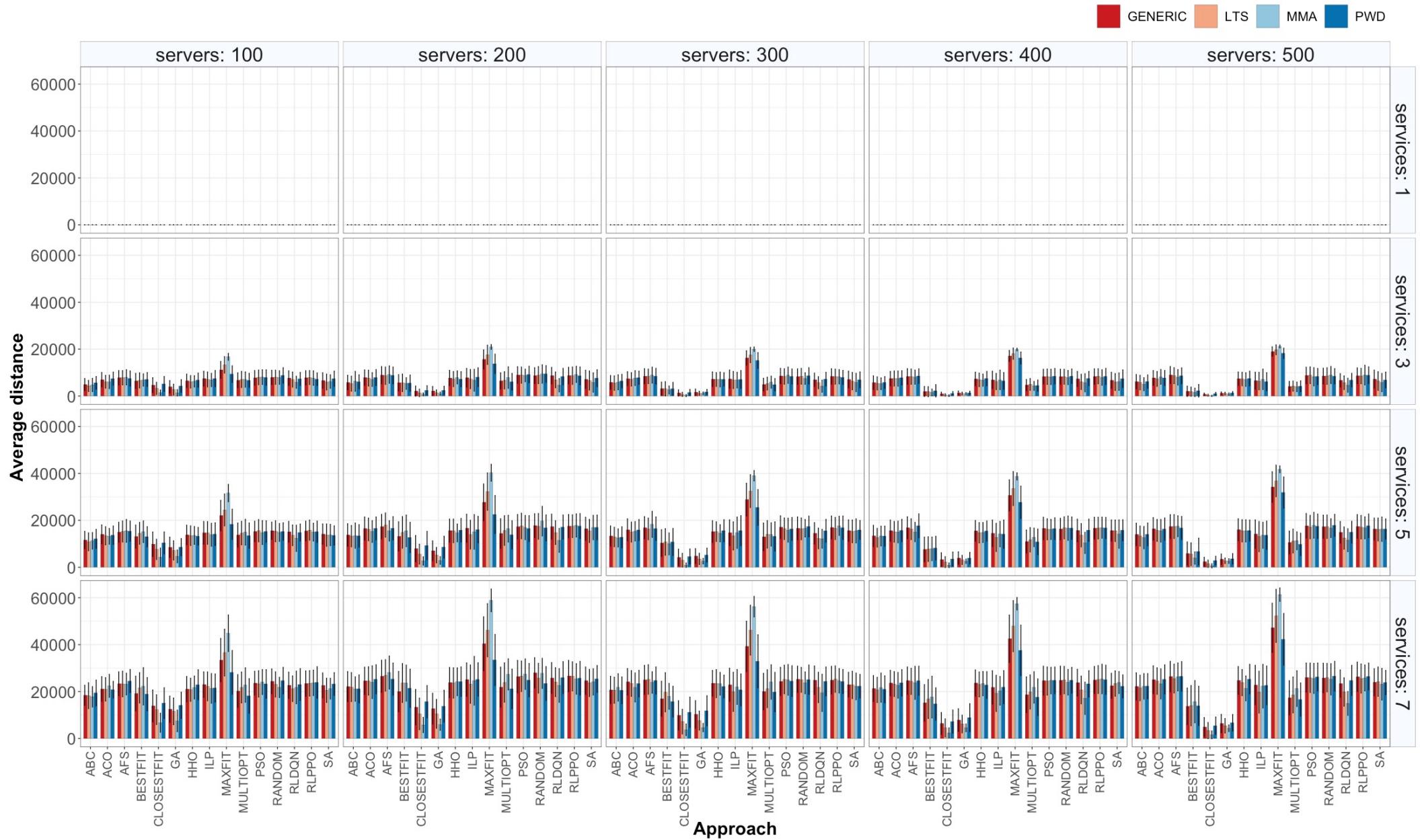
## Average Distance - SCENARIO: 02



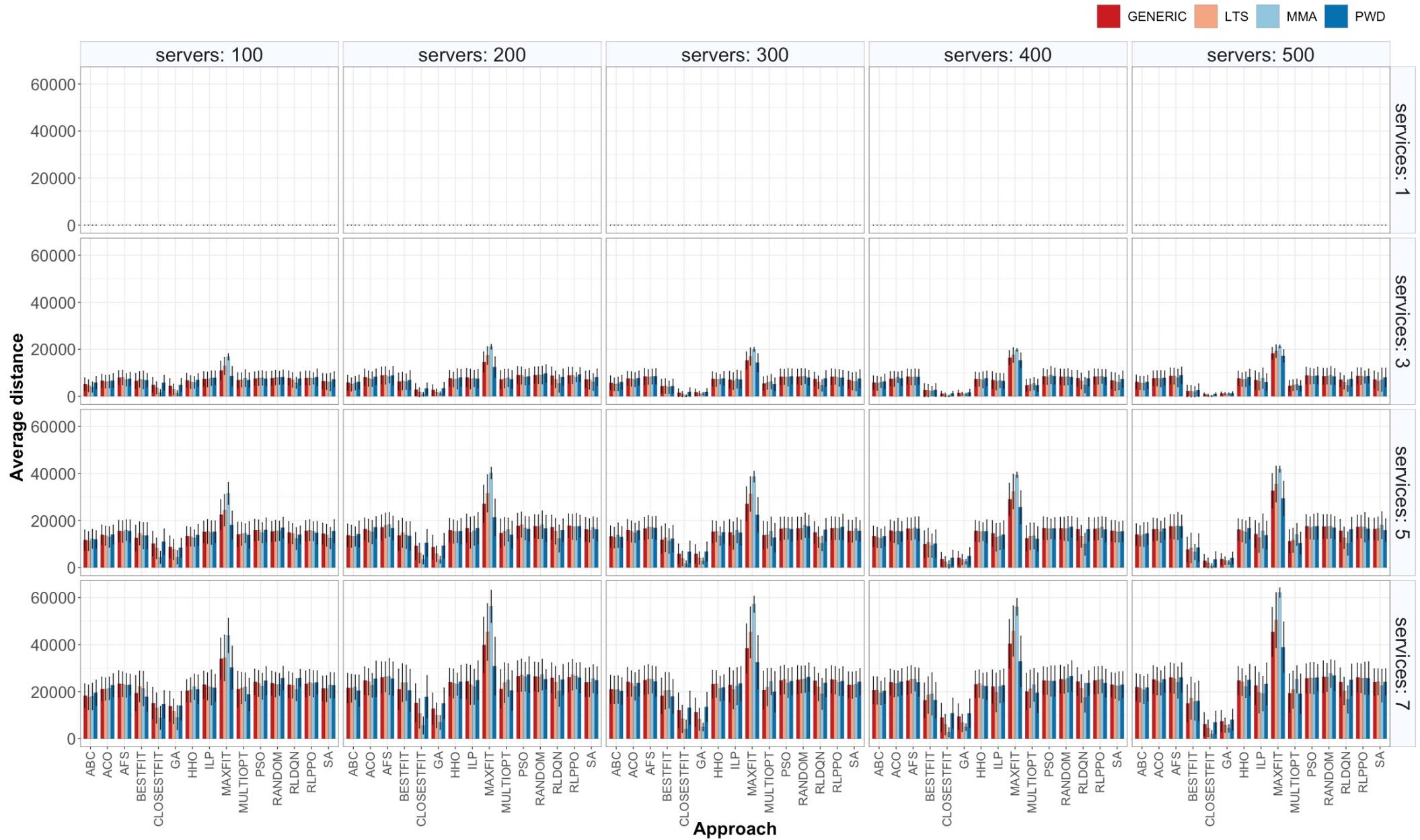
## Average Distance - SCENARIO: 03



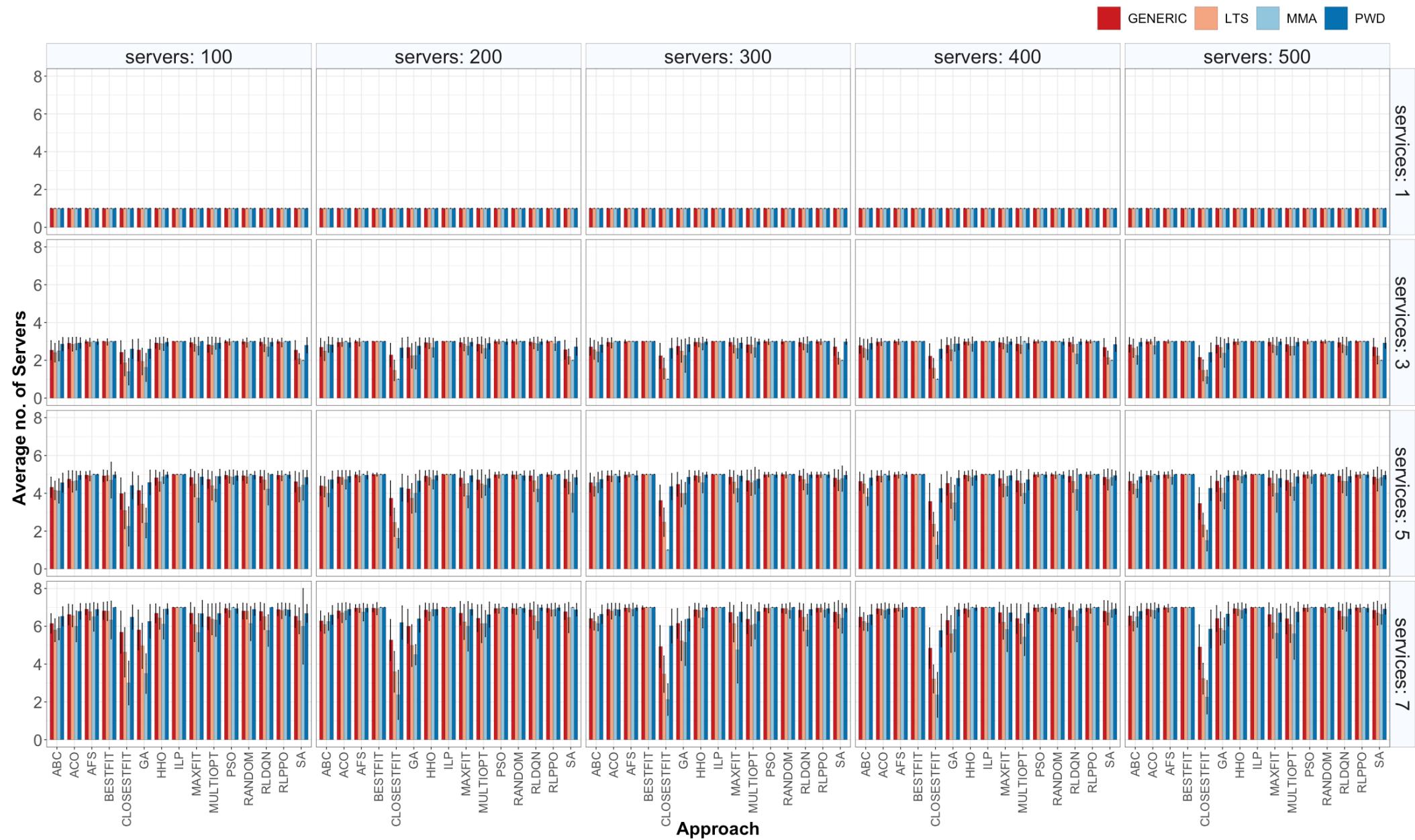
## Average Distance - SCENARIO: 04



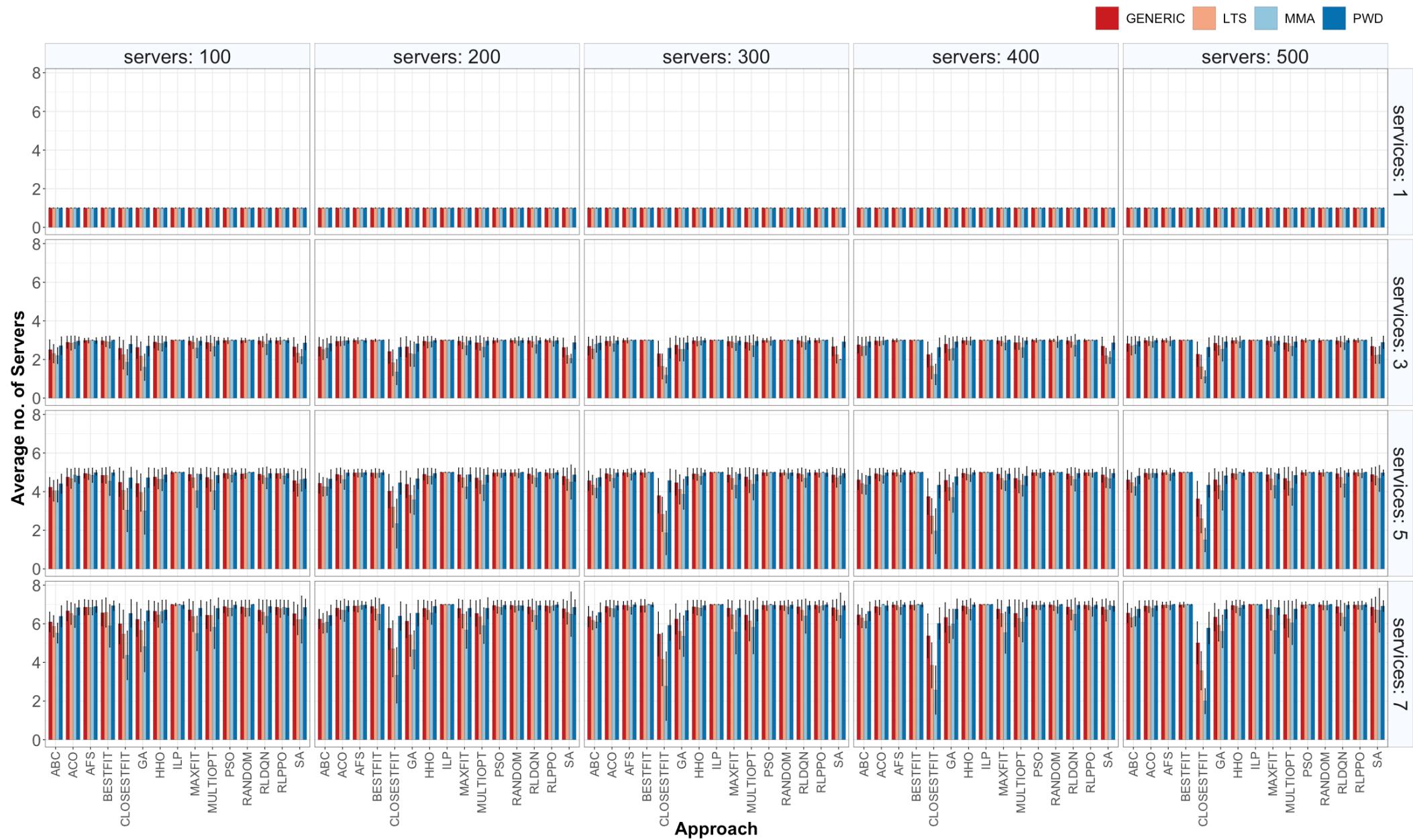
## Average Distance - SCENARIO: 05



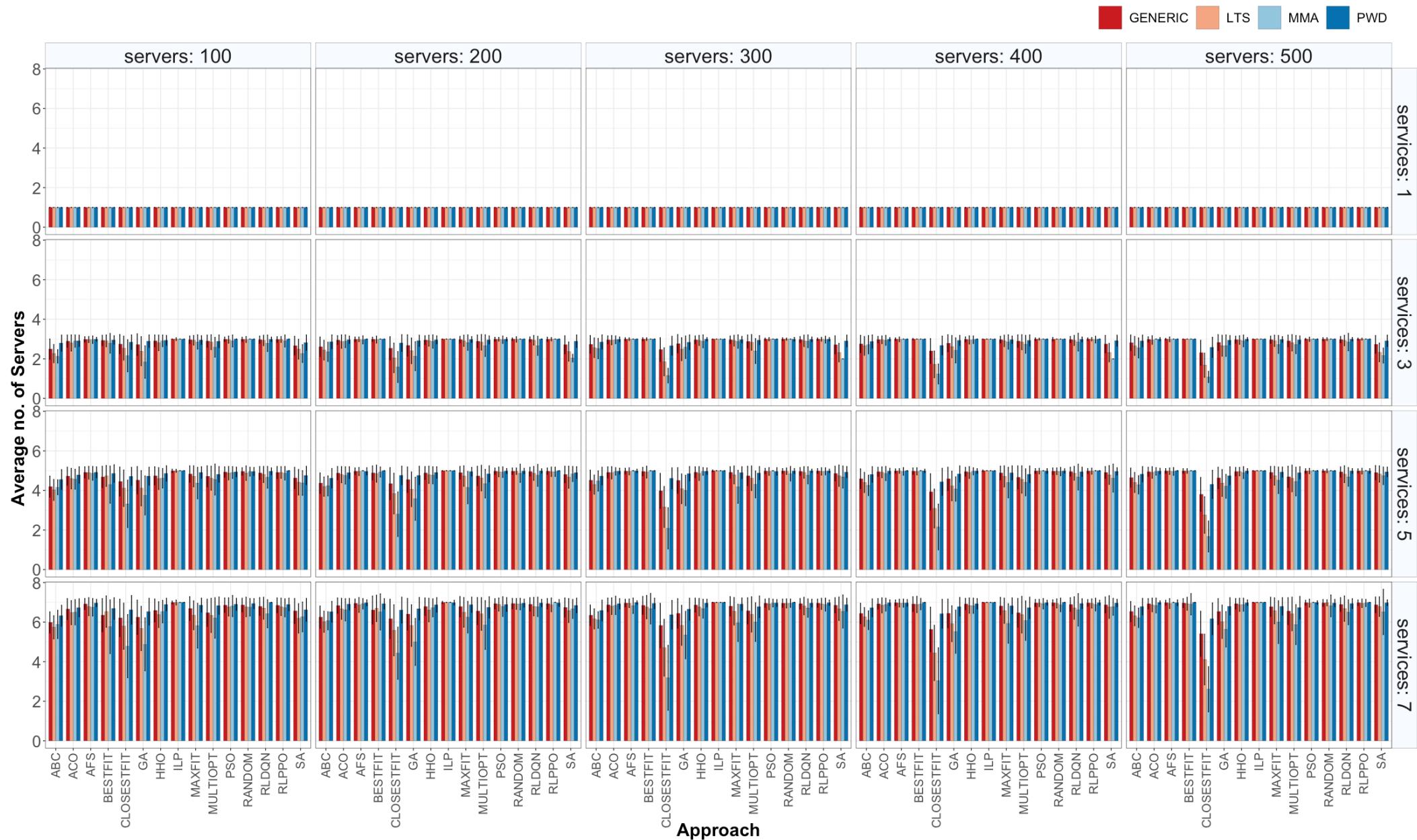
## Average no. of Servers - SCENARIO: 01



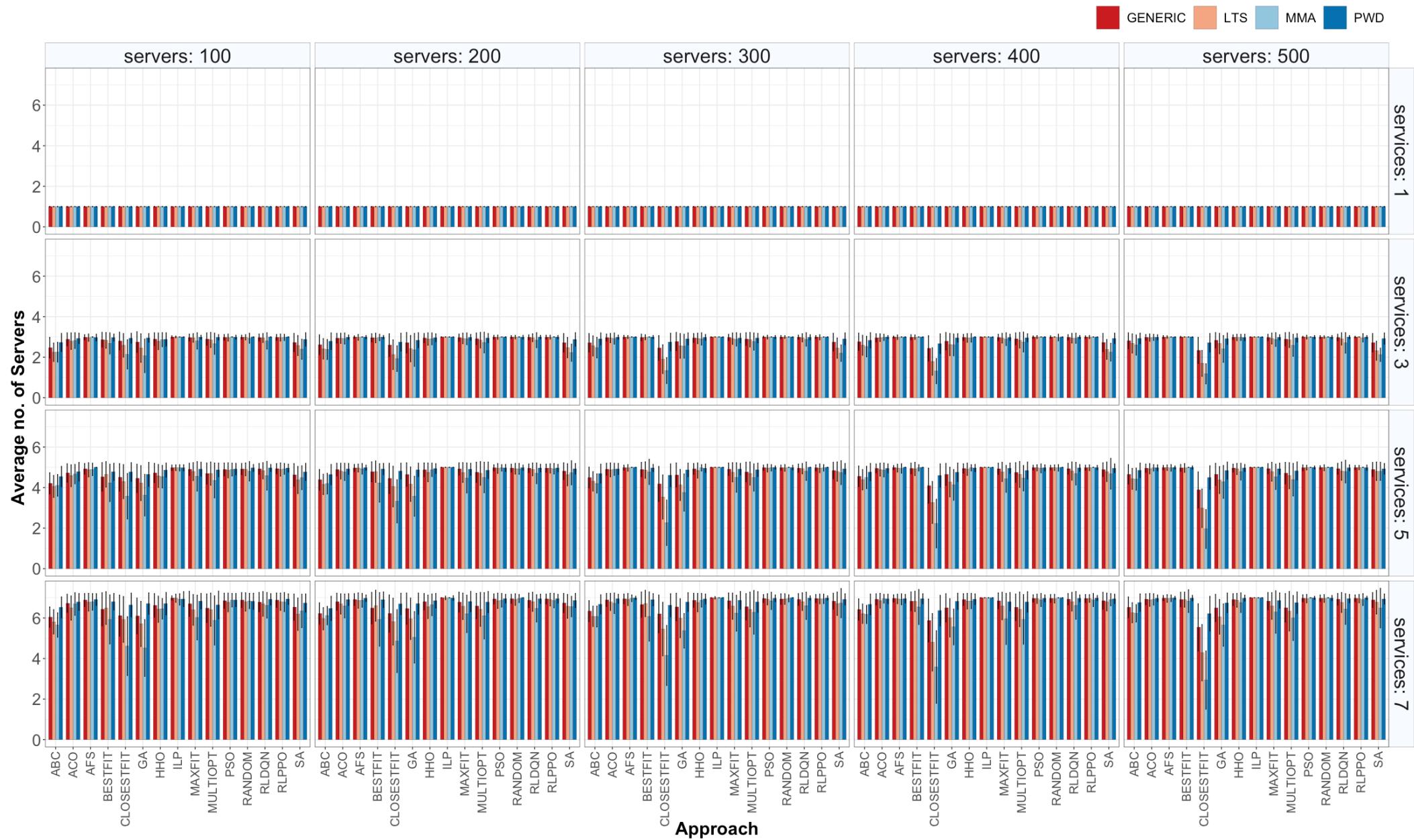
## Average no. of Servers - SCENARIO: 02



## Average no. of Servers - SCENARIO: 03



## Average no. of Servers - SCENARIO: 04



## Average no. of Servers - SCENARIO: 05

