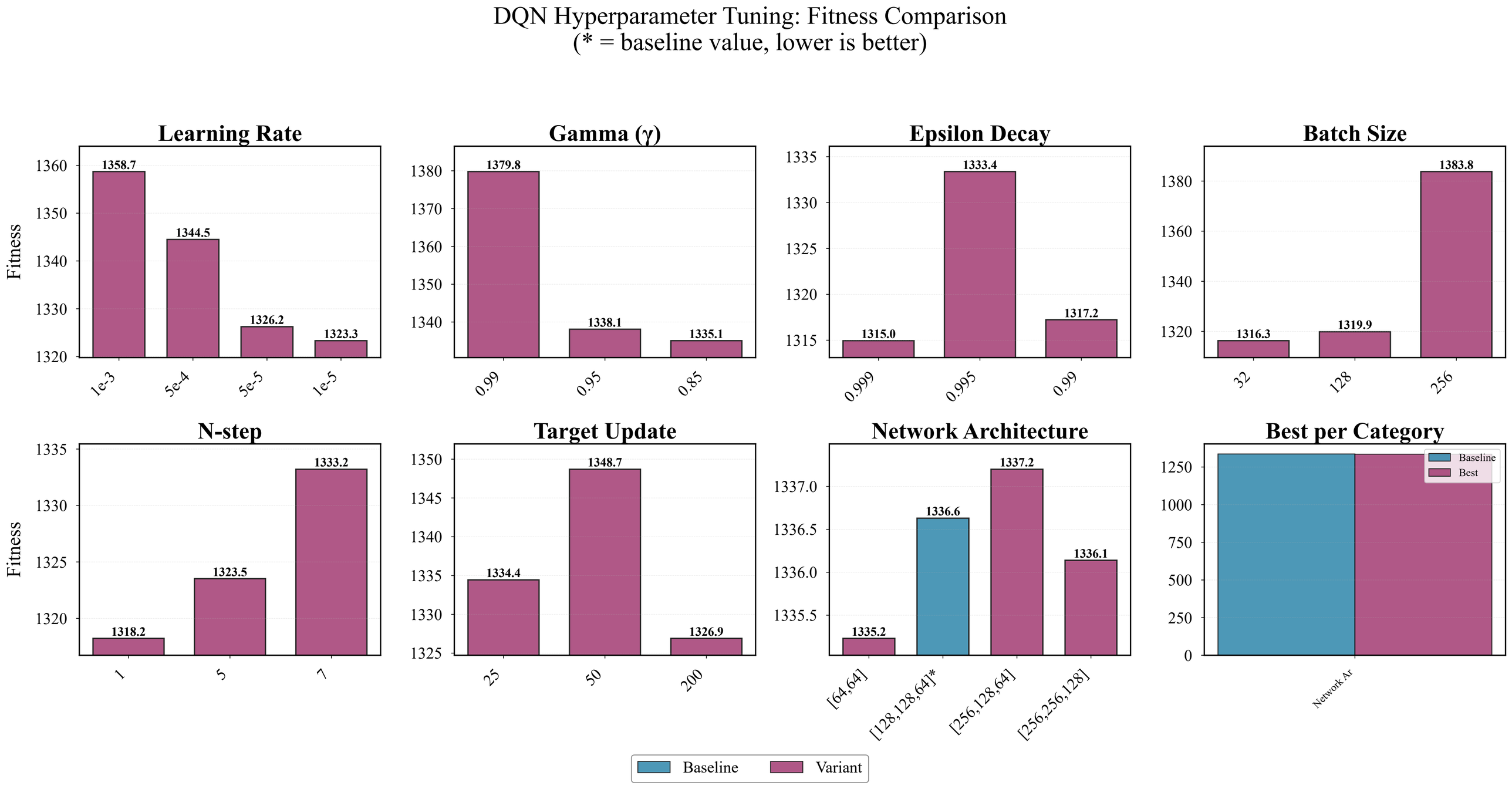
DQN Hyperparameter Tuning: Fitness Comparison
(* = baseline value, lower is better)
Learning Rate
1358.7
1344.5
1326.2
1323.3
1e-3
5e-4
5e-5
1e-5
Gamma (γ)
1379.8
1338.1
1335.1
0.99
0.95
0.85
Epsilon Decay
1315.0
1333.4
1317.2
0.999
0.995
0.99
Batch Size
1316.3
1319.9
1383.8
32
128
256
N-step
1318.2
1323.5
1333.2
1
5
7
Target Update
1334.4
1348.7
1326.9
25
50
200
Network Architecture
1335.2
1336.6
1337.2
1336.1
[64,64]
[128,128,64]*
[256,128,64]
[256,256,128]
Best per Category
Baseline
Best
Network Ar
Fitness
Baseline
Variant