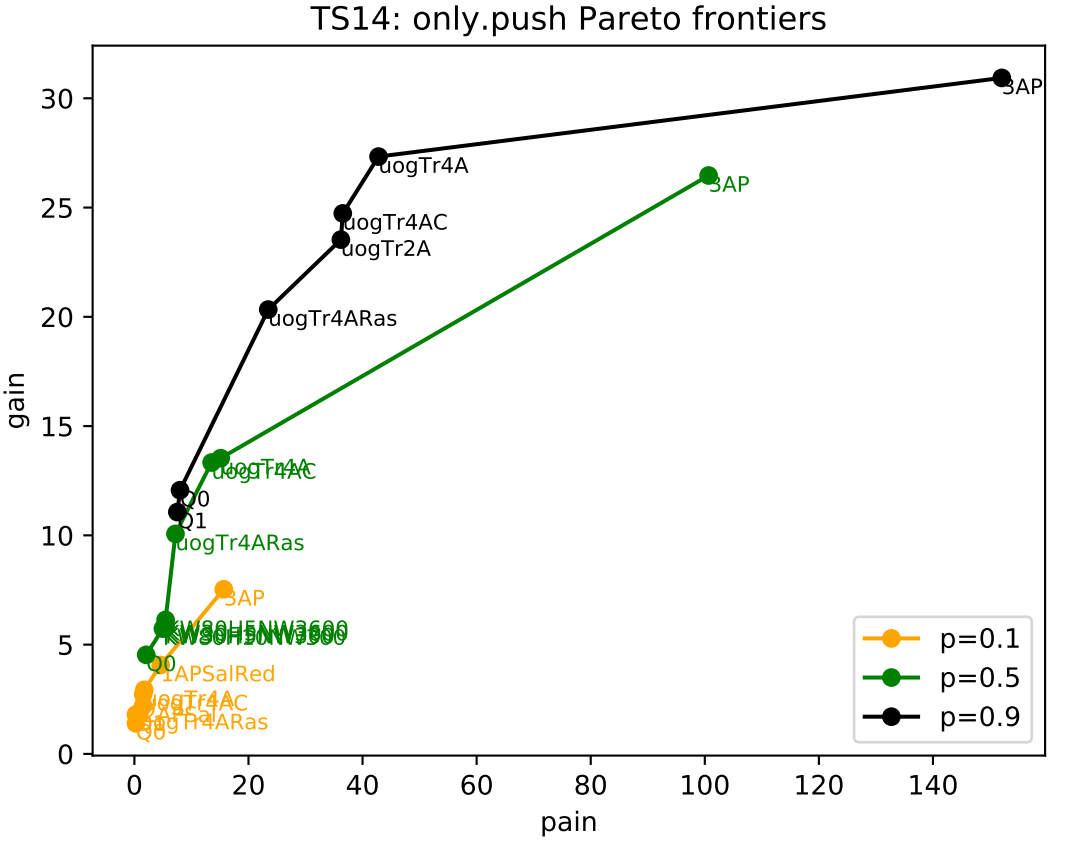
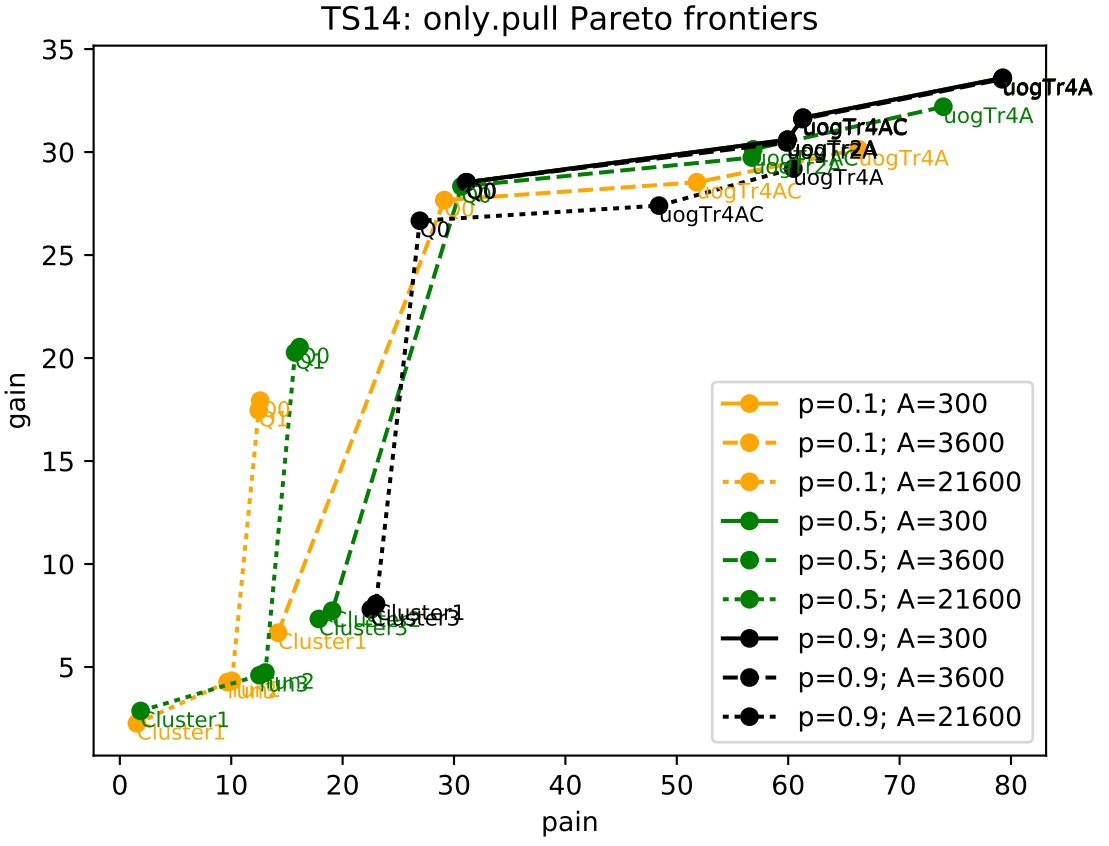
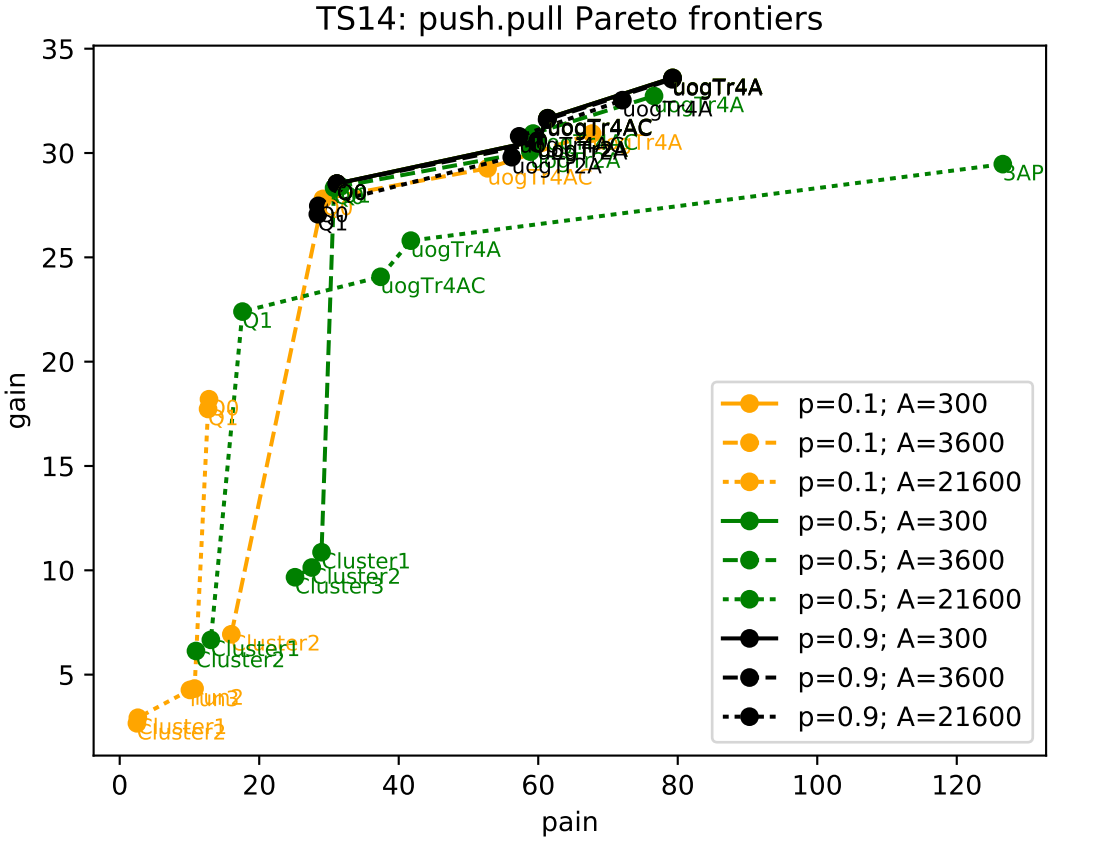
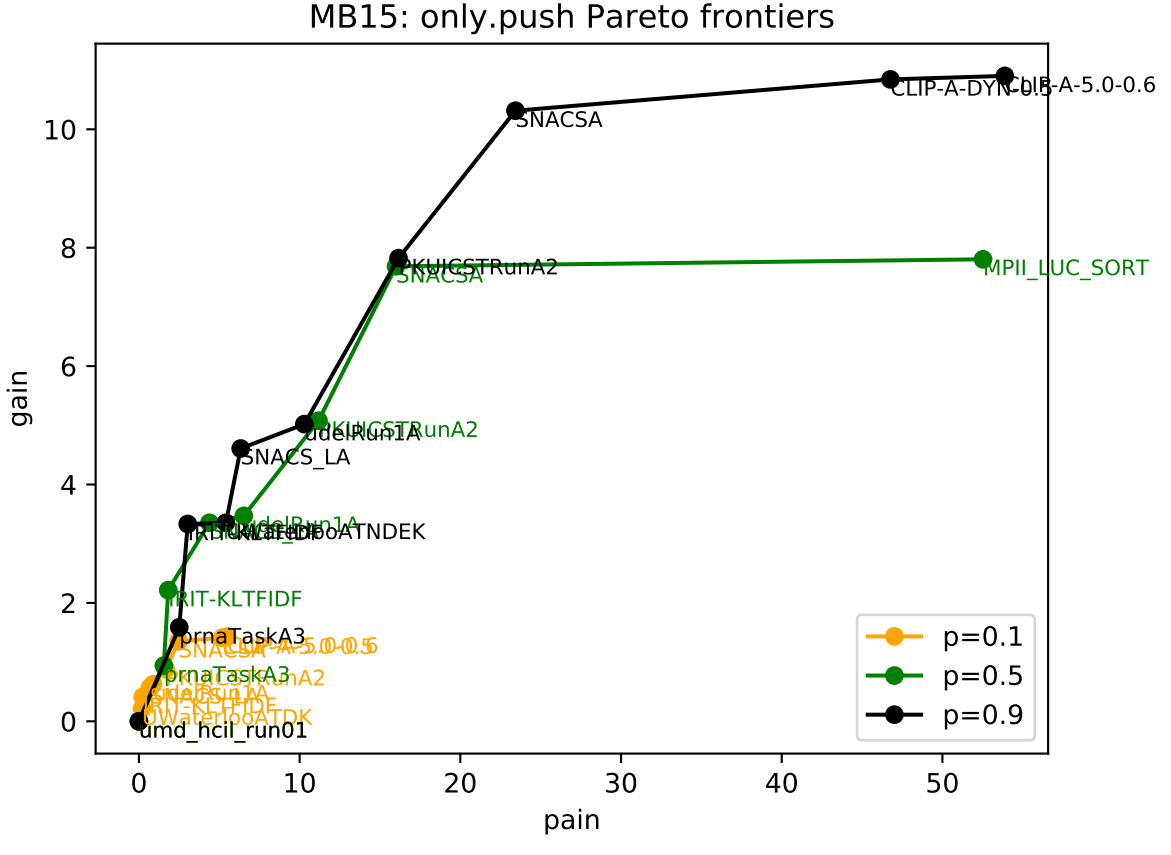
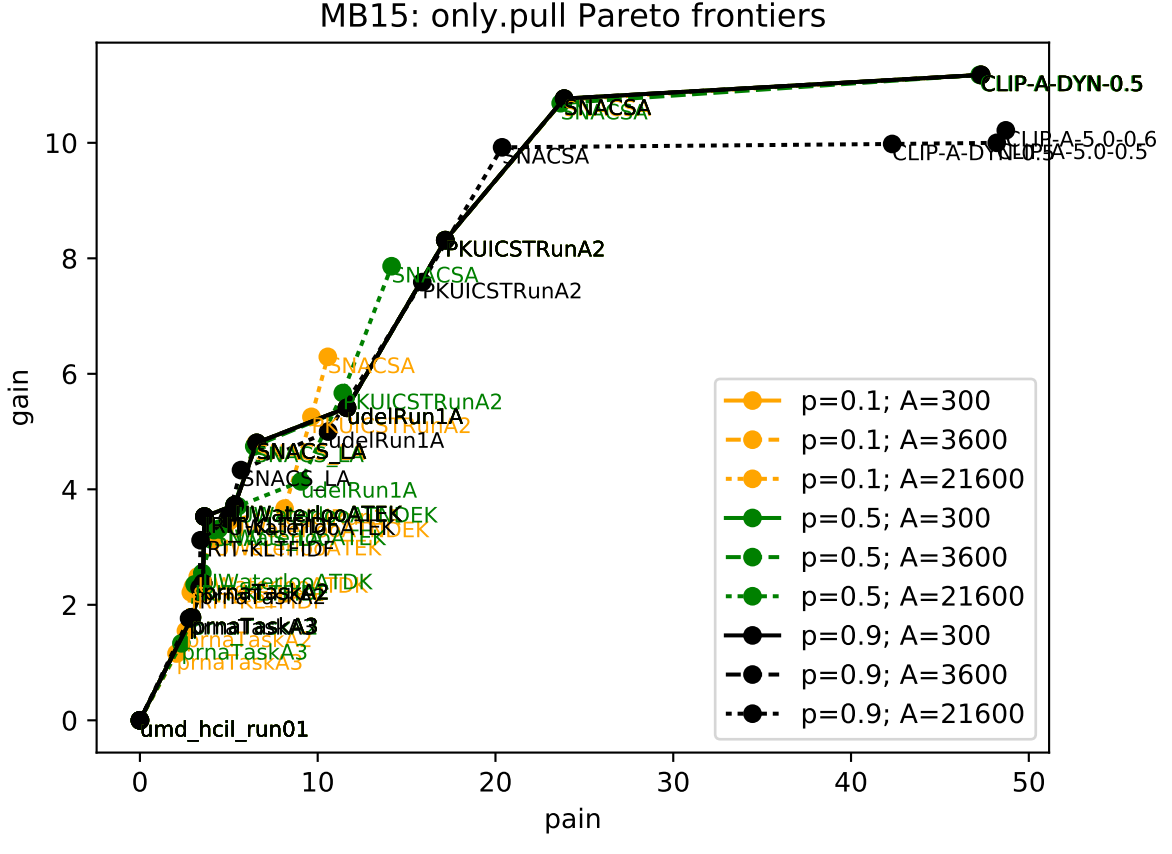
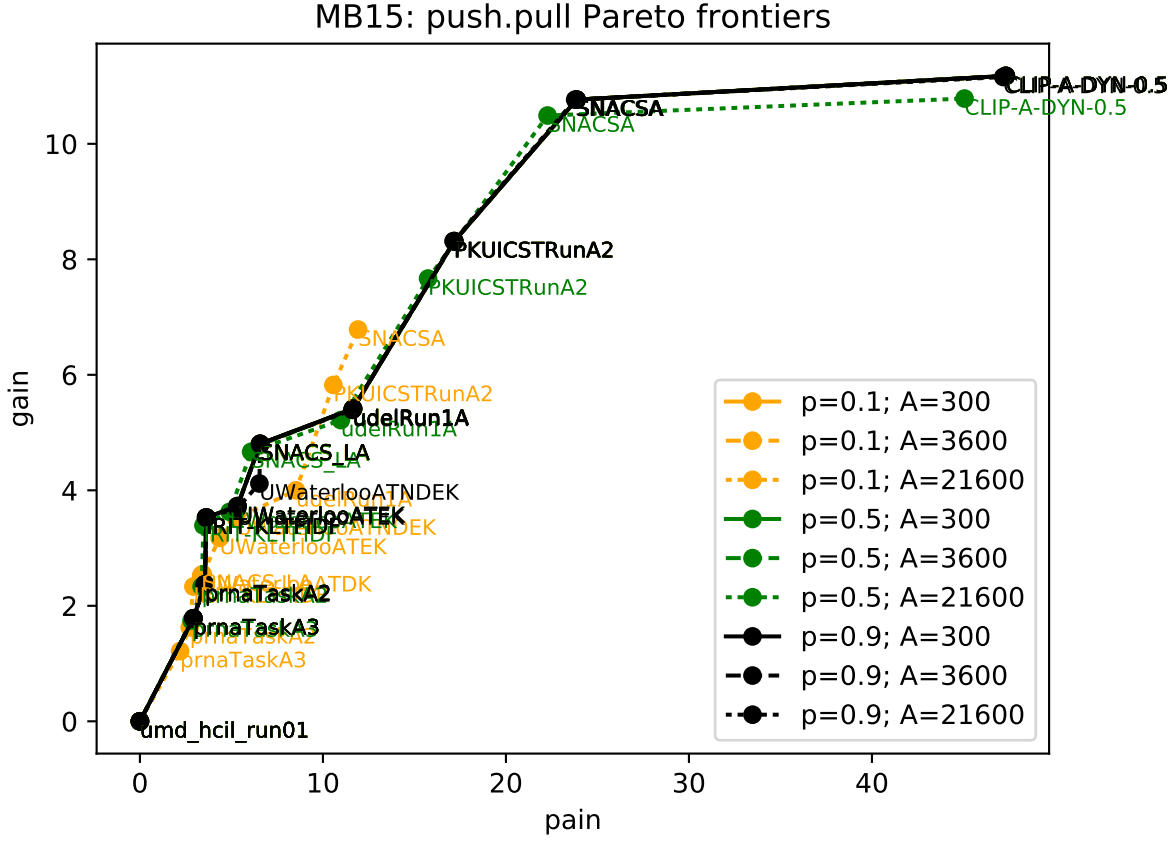

TS14: only.push Pareto frontiers
gain
pain
0
5
10
15
20
25
30
0
20
40
60
80
100
120
140
SAP
uogTr4A
SAP
uogTr4AC
uogTr2A
uogTr4ARas
uogTr4A
uogTr4AC
0
1
uogTr4ARas
SAP
0
1APSalRed
uogTr4AC
uogTr4ARas
0
p=0.1
p=0.5
p=0.9

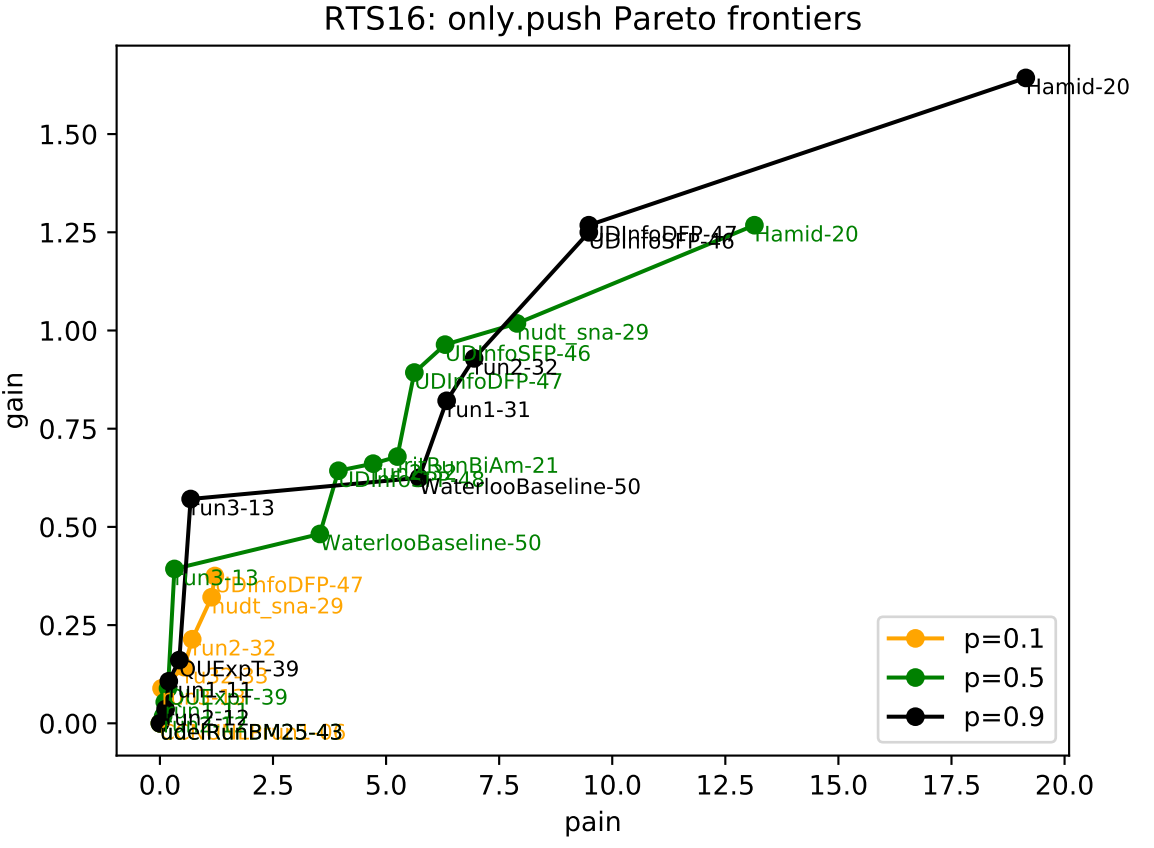

TS14: only.pull Pareto frontiers
gain
pain
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
Cluster1
doogTr4A
doogTr4AC

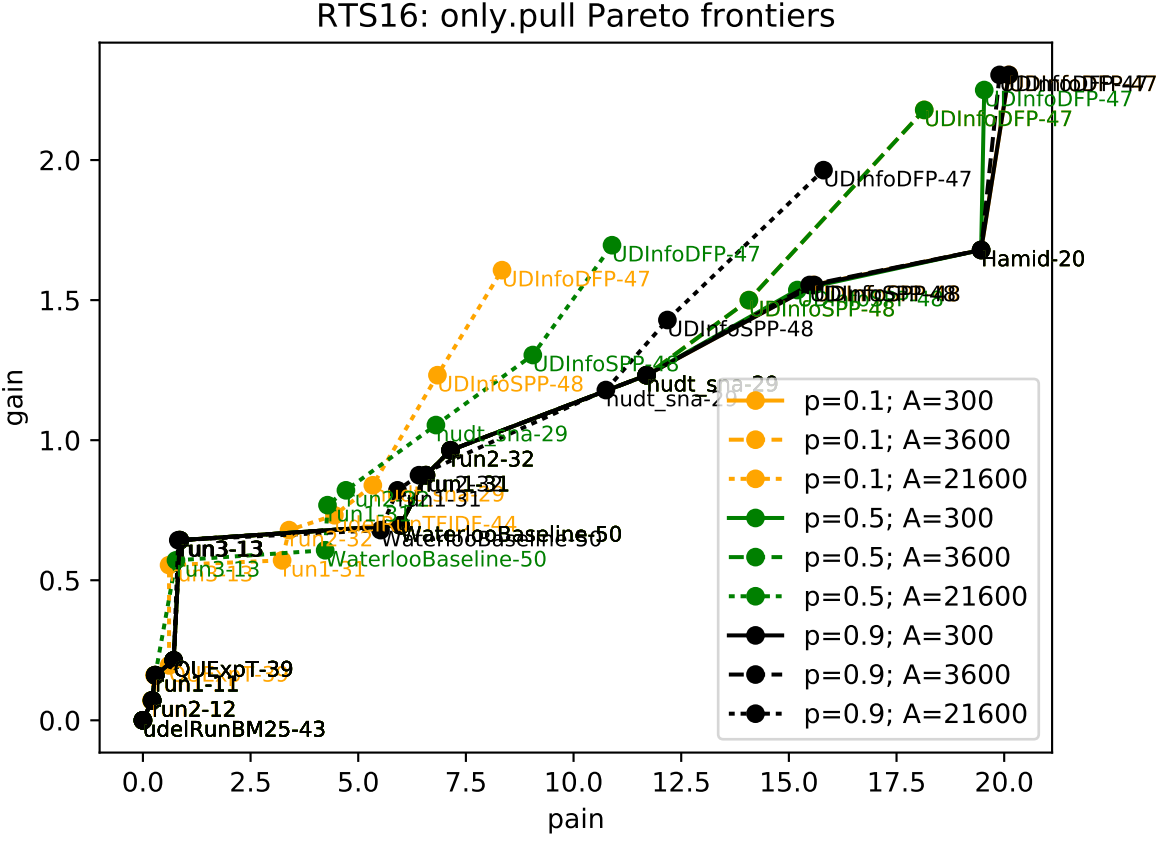

TS14: push.pull Pareto frontiers
gain
pain
0
20
40
60
80
100
120
5
10
15
20
25
30
35
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
uogTr4A
uogTr4AC
Q1
Cluster1
Cluster2
Cluster3
3AP

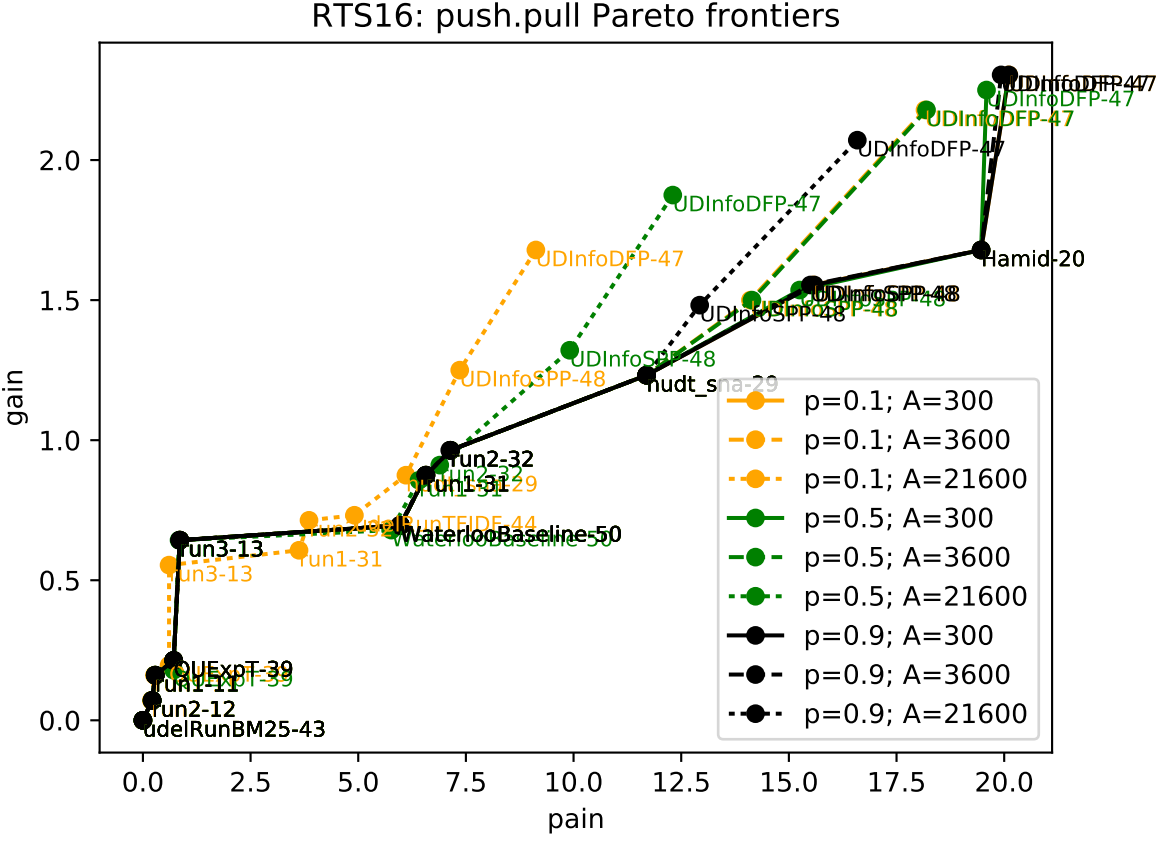

MB15: only.push Pareto frontiers
gain
pain
0
2
4
6
8
10
0
10
20
30
40
50
p=0.1
p=0.5
p=0.9
CLIP-A-DYN-0.5
CLIP-A-5.0-0.6
SNACSA
MPII_LUC_SORT
SNACS_LA
TRIT-KLTFIDF
dmd_hcil_run01

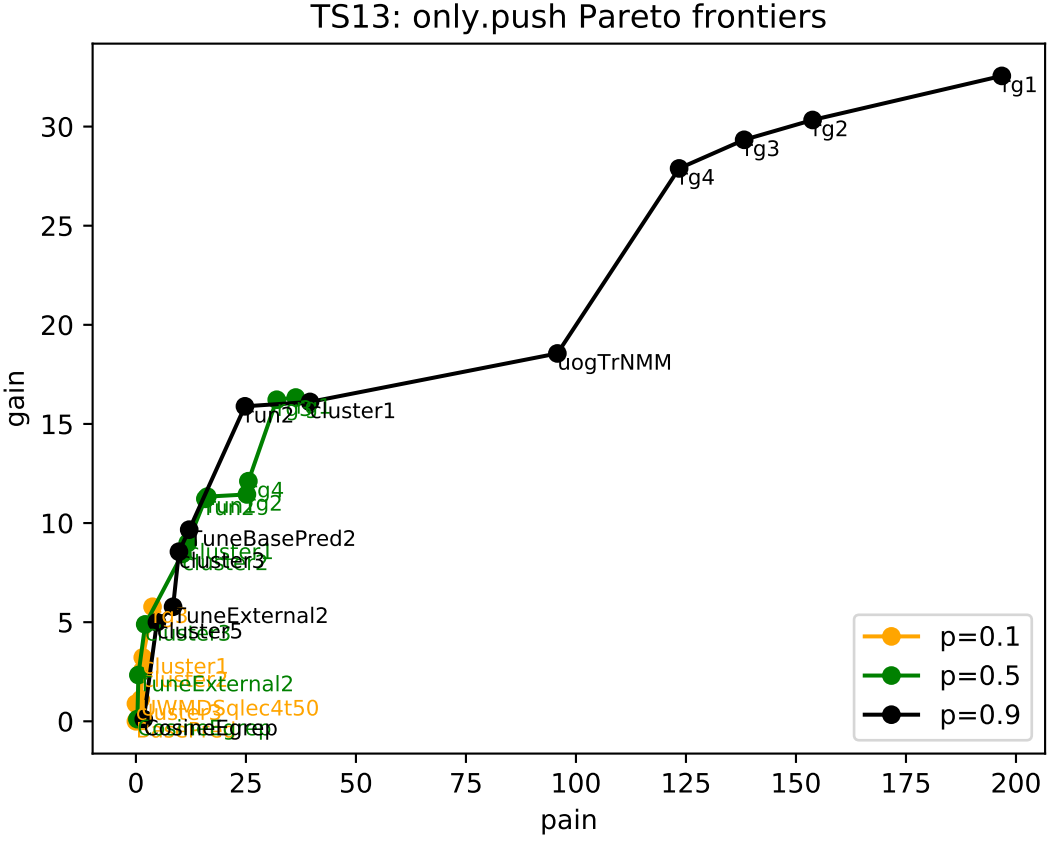

MB15: only.pull Pareto frontiers
gain
pain
0
2
4
6
8
10
0
10
20
30
40
50
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
CLIP-A-DYN-0.5
SNACSA
CLIP-A-5.0-0.6
CLIP-A-DYNUP-A-5.0-0.5
PKUICSTRunA2
udelRun1A
SNACS_LA
umd_hcil_run01

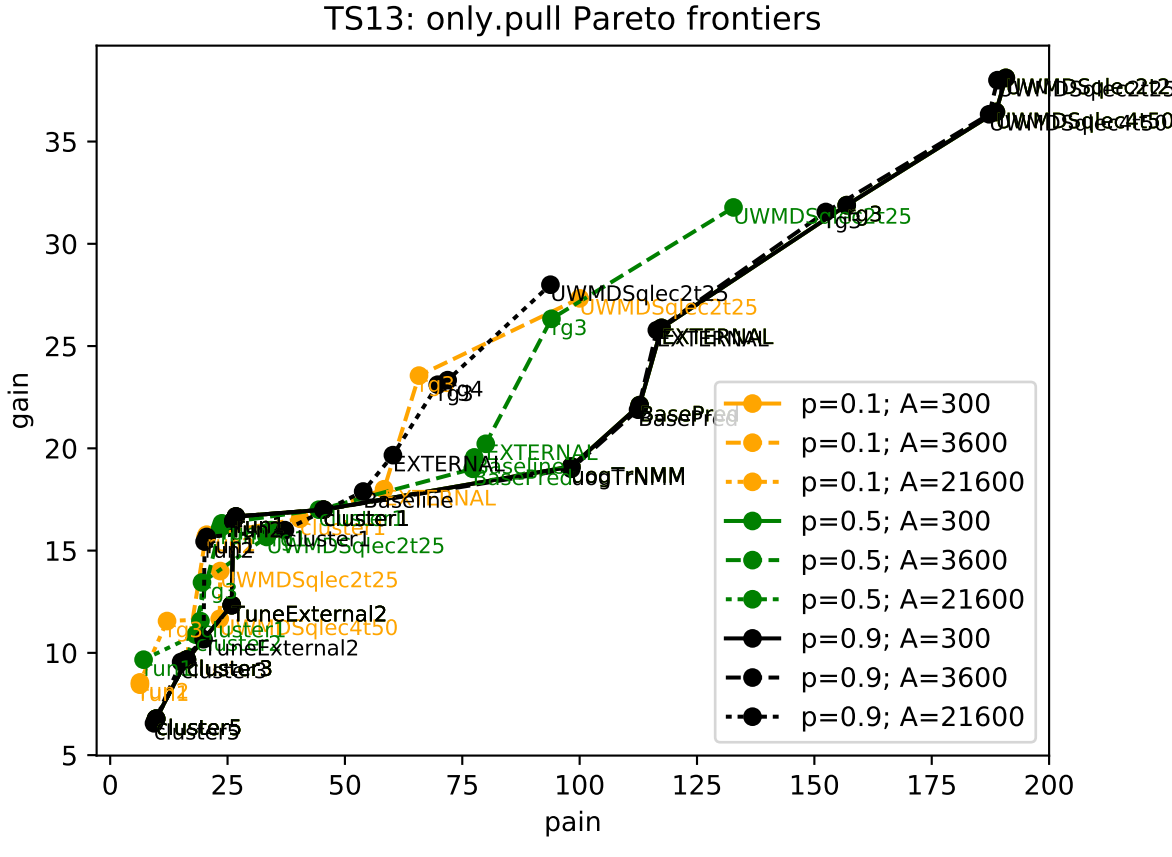

MB15: push.pull Pareto frontiers
gain
pain
0
2
4
6
8
10
0
10
20
30
40
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
CLIP-A-DYN-0.5
SNACSA
PKUICSTRunA2
udelRun1A
SNACS_1A
UWaterlooATNDEK
UWaterlooATEK
prnaTaskA2
prnaTaskA3
umd_hcil_run01

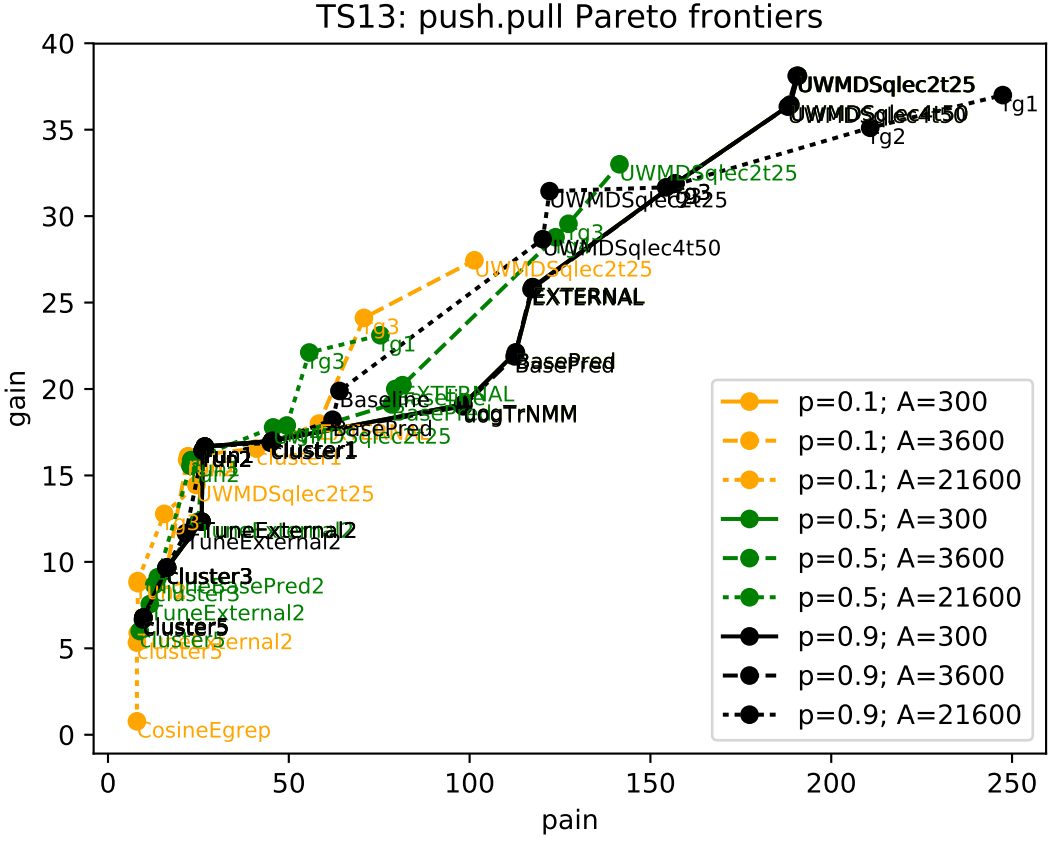

RTS16: only.push Pareto frontiers
gain
pain
0.00
0.25
0.50
0.75
1.00
1.25
1.50
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
p=0.1
p=0.5
p=0.9
Hamid-20
UDInfoDFP-47
UDInfoSFP-46
Hamid-20
mudt_sna-29
UDInfoSEP-46
run2-32
UDInfoDFP-47
run1-31
WaterlooBaseline-50
run3-13
WaterlooBaseline-50
run3-13
UDInfoDFP-47
mudt_sna-29
run2-32
QUExpT-39
QUExpT-39
udeRunBM25-43


RTS16: only.pull Pareto frontiers
gain
pain
0.0
0.5
1.0
1.5
2.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
UDInfoDFP-47
UDInfoSPP-48
Hamid-20
WaterlooBaseline-50
TFIDF-44
QUExpT-39
udelRunBM25-43


RTS16: push.pull Pareto frontiers
gain
pain
0.0
0.5
1.0
1.5
2.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
UDInfoDFP-47
UDInfoSPP-48
Hamid-20
WaterlooBaseline-50
Run2-32
Run1-31
Run3-13
Run2-12
udelRunBM25-43


TS13: only.push Pareto frontiers
gain
pain
0
5
10
15
20
25
30
0
25
50
75
100
125
150
175
200
rg1
rg2
rg3
rg4
dogTrNMM
fun2
cluster1
fun2
rg4
rg2
fun2
TuneBasePred2
cluster1
cluster2
TuneExternal2
cluster5
cluster1
TuneExternal2
p=0.1
p=0.5
p=0.9


TS13: only.pull Pareto frontiers
gain
pain
0
25
50
75
100
125
150
175
200
5
10
15
20
25
30
35
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
UWMDSqlec2t25
UWMDSqlec4t50
rg3
rg4
EXTERNAL
Baseline
BaseFreq
dogTrNMM
cluster1
cluster3
cluster5
TuneExternal2


TS13: push.pull Pareto frontiers
gain
pain
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
UWMDSqlec2t25
UWMDSqlec4t50
tg1
tg2
tg3
EXTERNAL
BasePred
cluster1
cluster3
cluster5
TuneExternal2
CosineEgrep