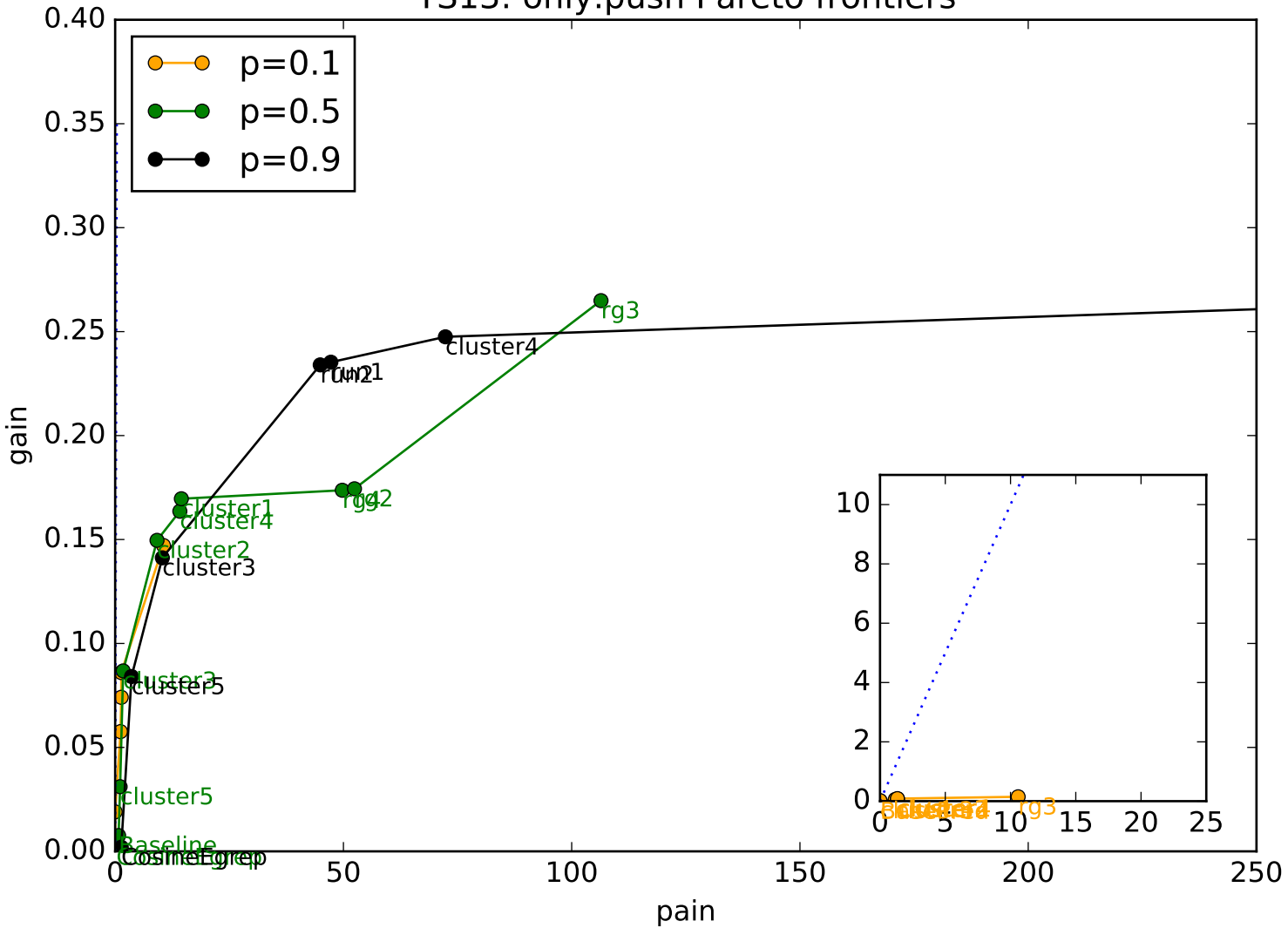
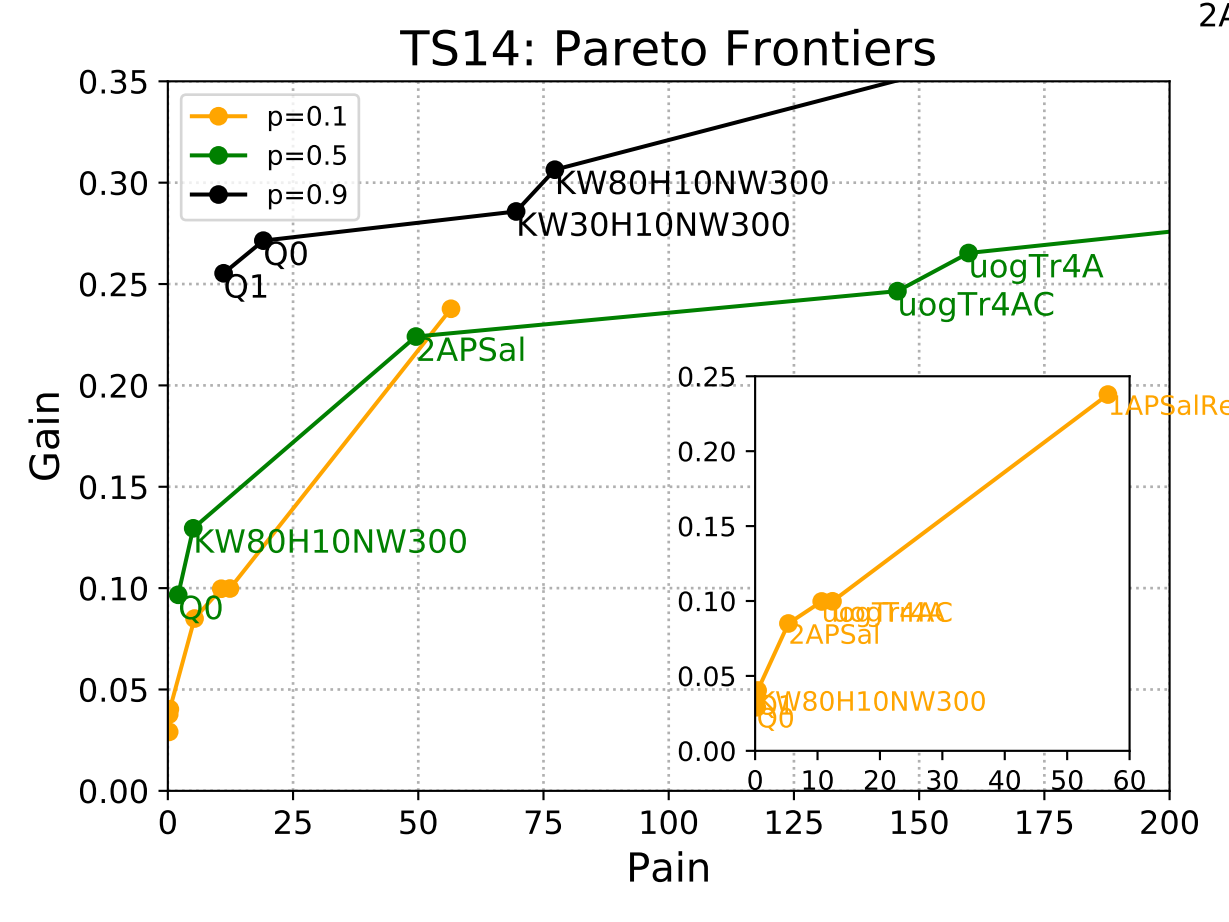
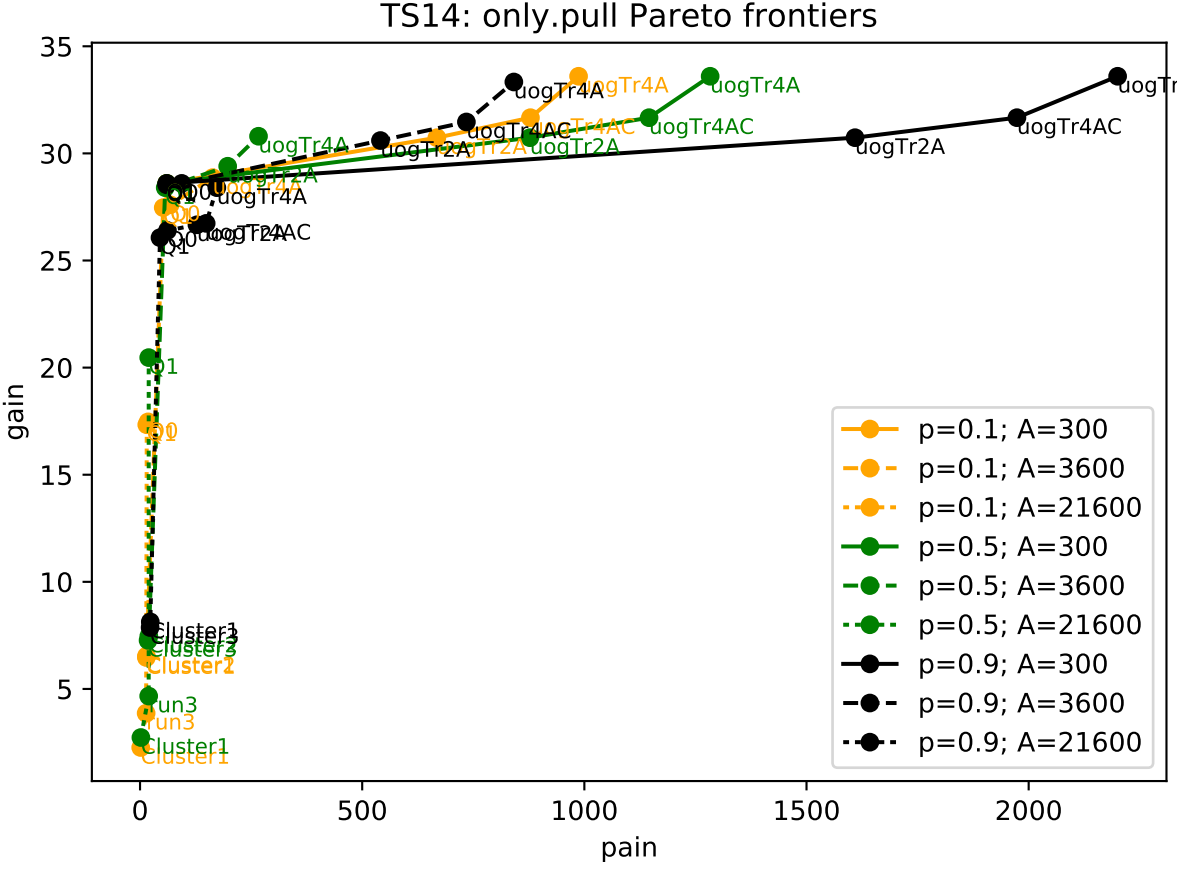
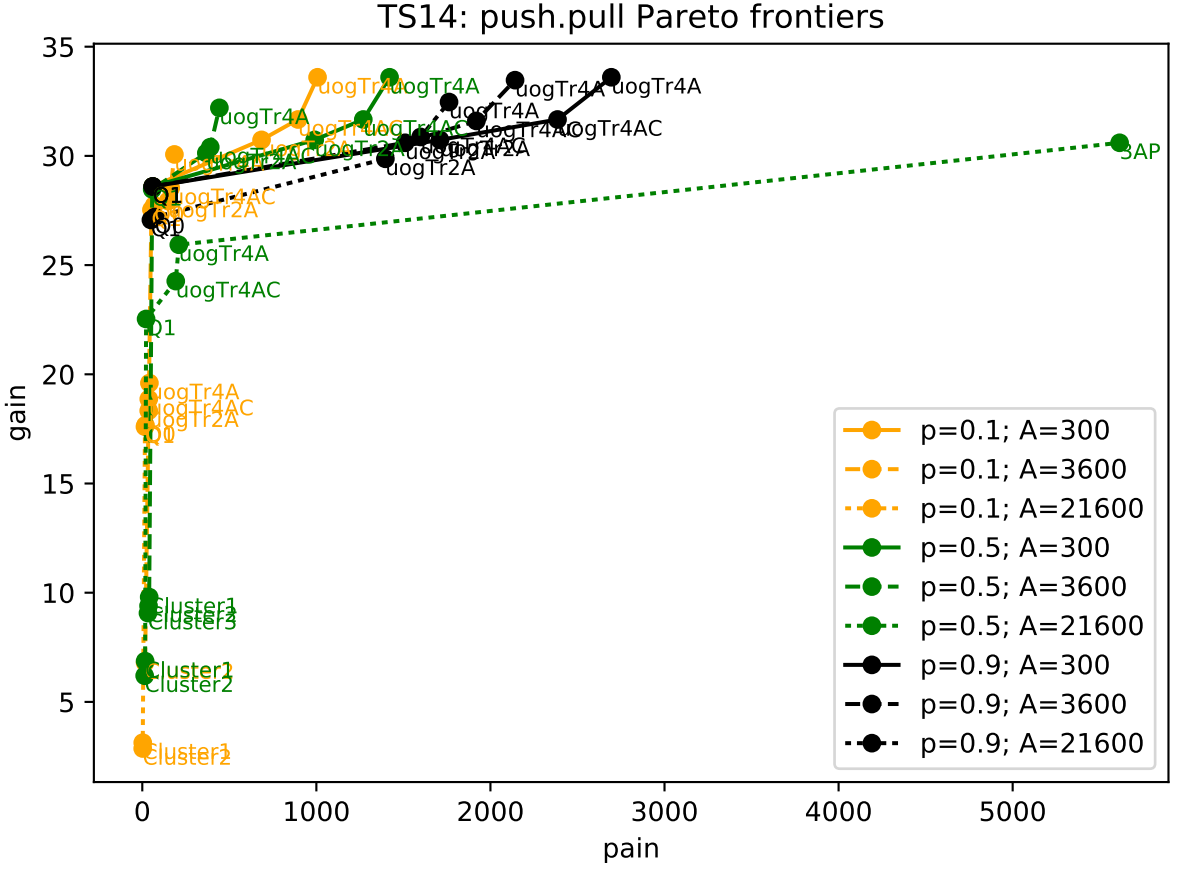
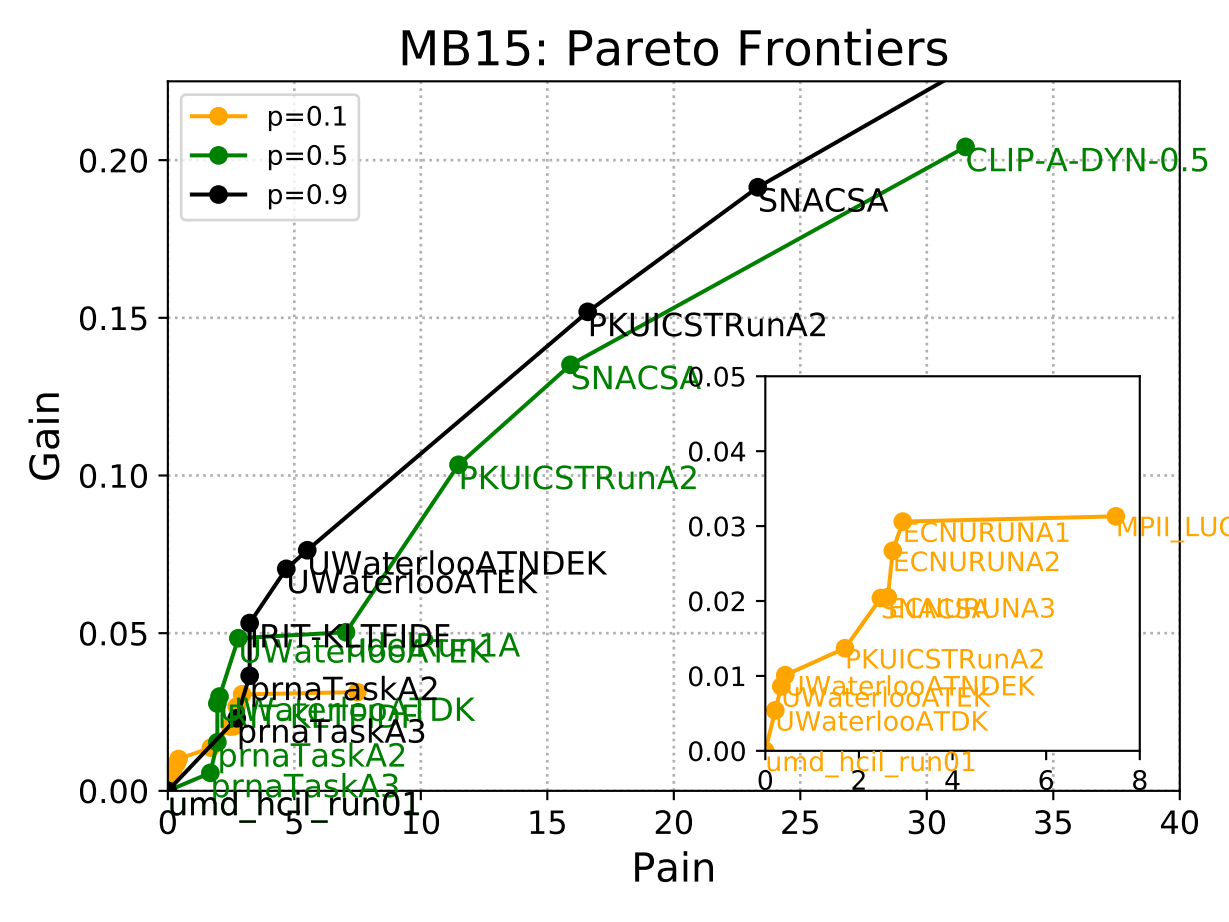
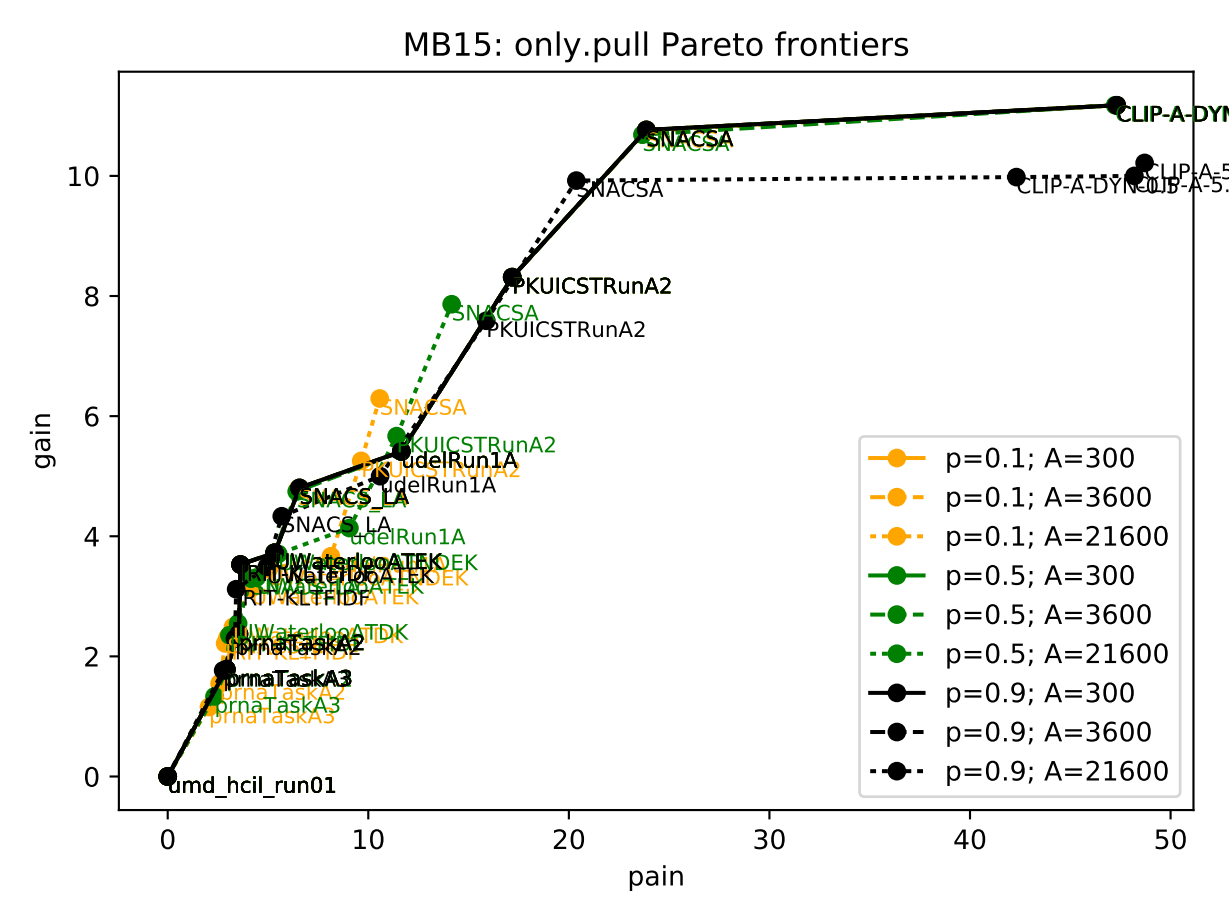

TS13: only.push Pareto frontiers
p=0.1
p=0.5
p=0.9
gain
pain
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
250
tg3
cluster4
cluster1
cluster2
cluster3
cluster5
Baseline
10
8
6
4
2
0
5
15
20
25


TS14: Pareto Frontiers
p=0.1
p=0.5
p=0.9
KW80H10NW300
KW30H10NW300
Q0
Q1
uogTr4A
uogTr4AC
2APSal
KW80H10NW300
Q0
1APSalRe
Gain
Pain

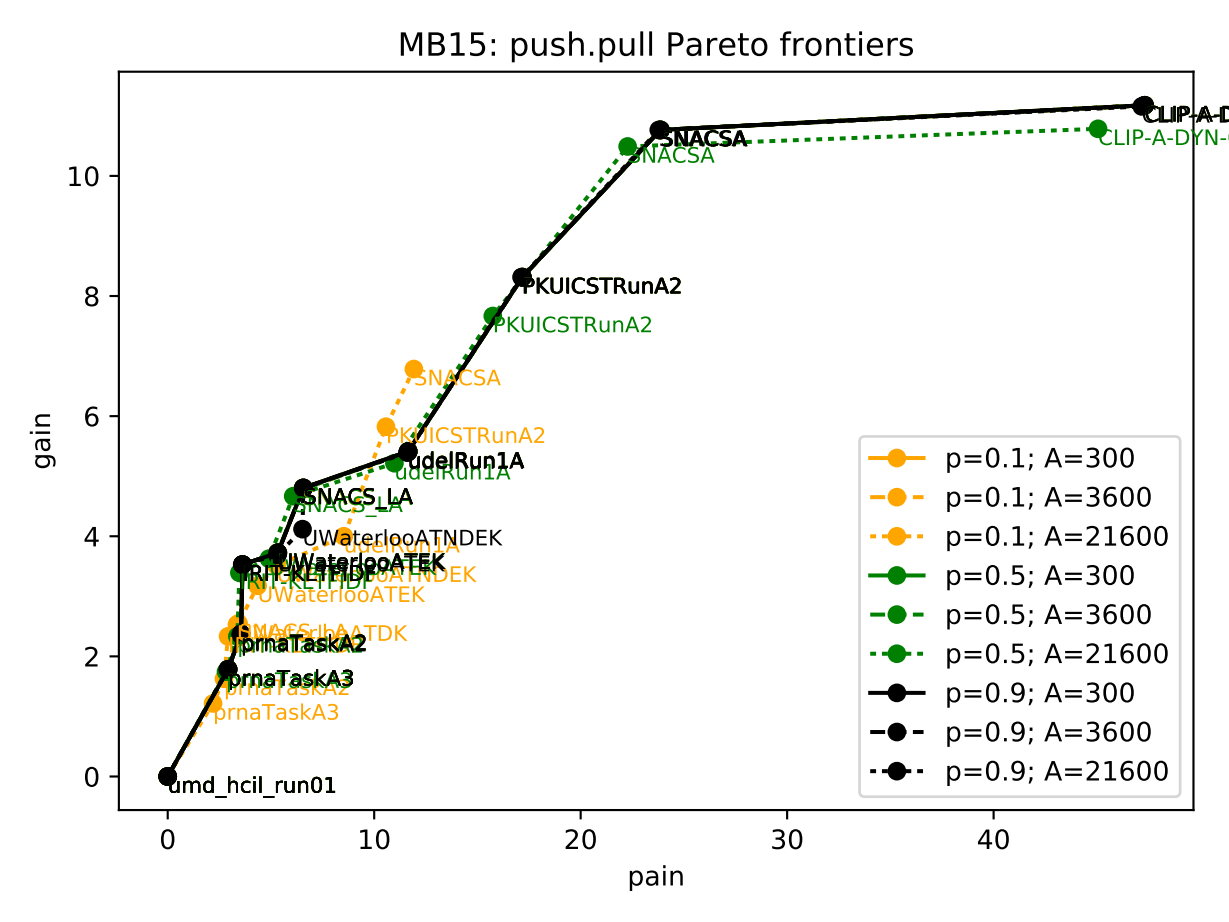

TS14: only.pull Pareto frontiers
gain
pain
0
500
1000
1500
2000
5
10
15
20
25
30
35
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600

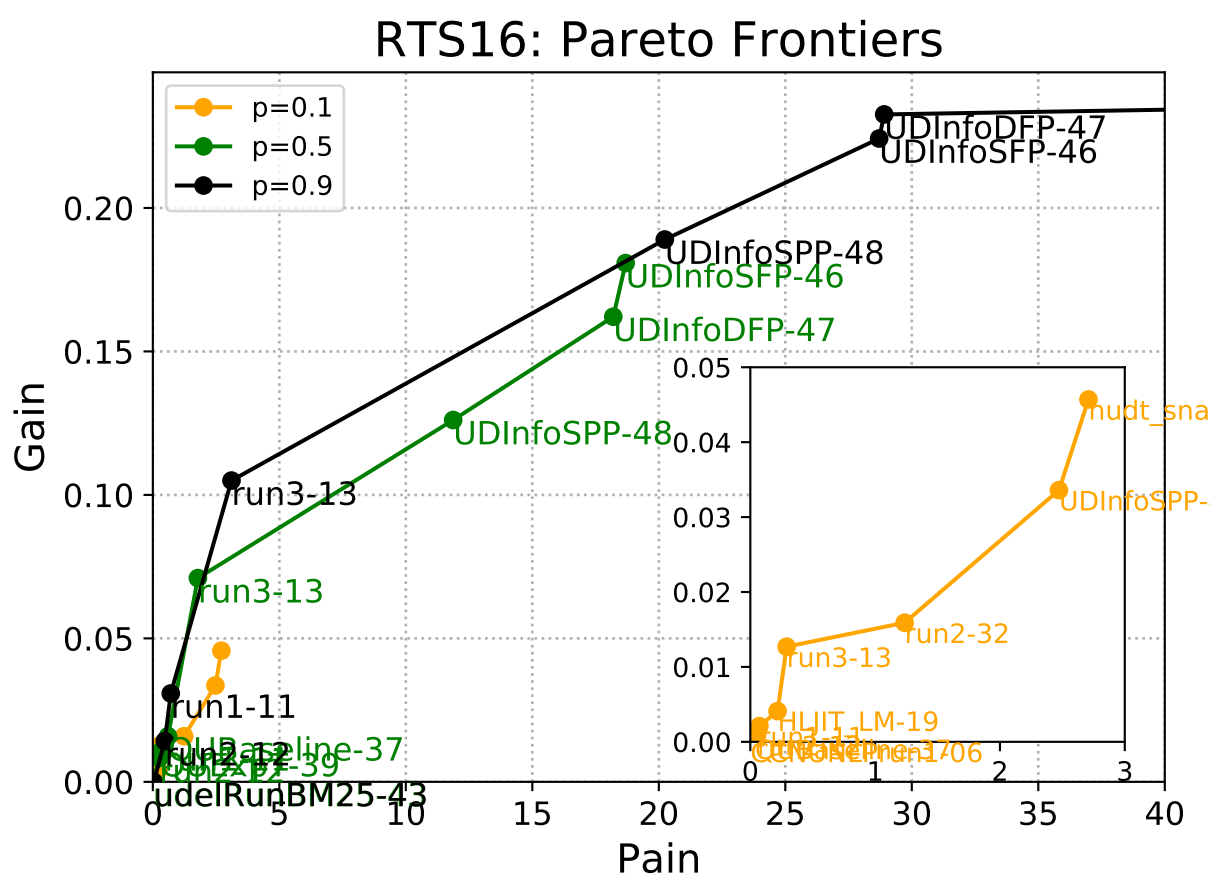

TS14: push.pull Pareto frontiers
gain
pain
0
1000
2000
3000
4000
5000
5
10
15
20
25
30
35
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600

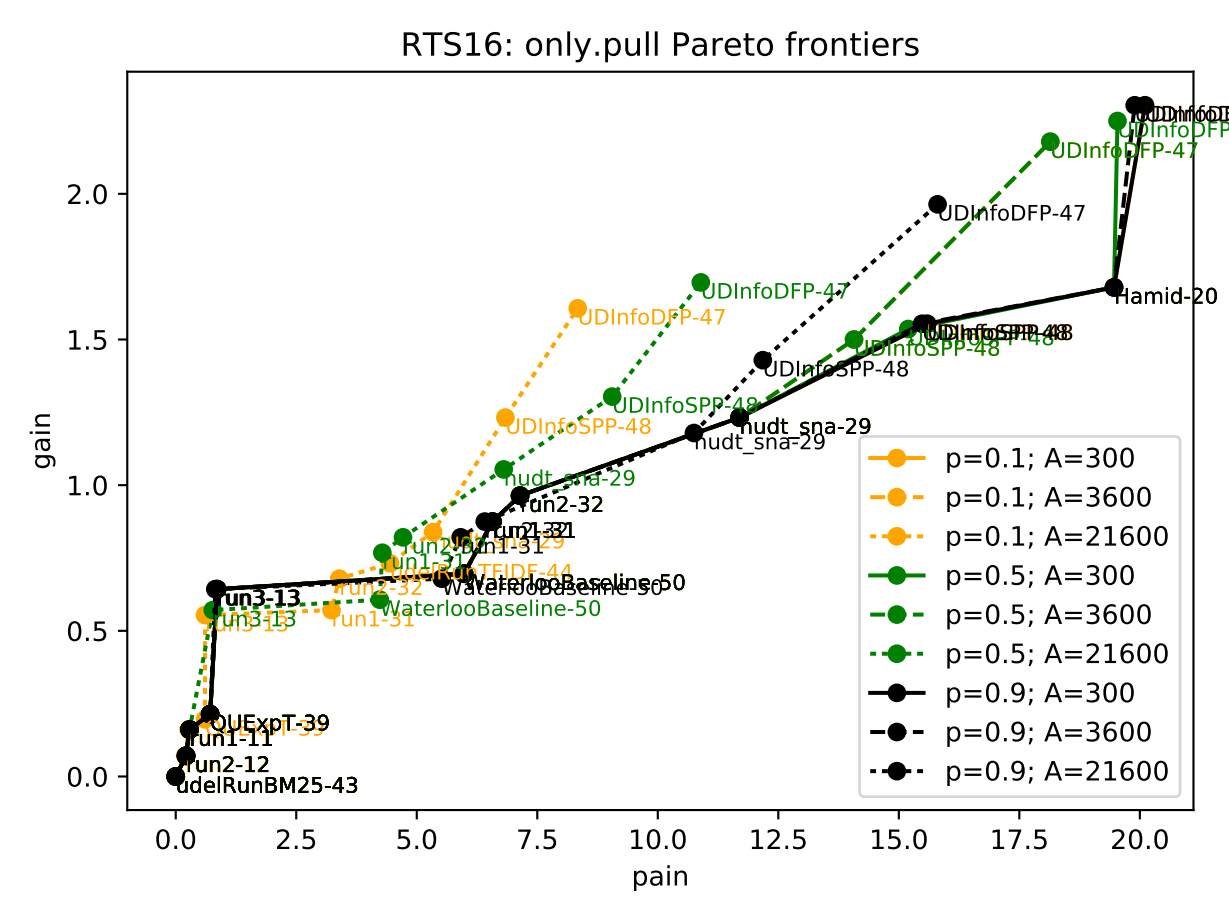

MB15: Pareto Frontiers
p=0.1
p=0.5
p=0.9
Gain
Pain
0.00
0.05
0.10
0.15
0.20
0
5
10
15
20
25
30
35
40
CLIP-A-DYN-0.5
SNACSA
PKUICSTRunA2
SNACSA
PKUICSTRunA2
UWaterlooATNDEK
UWaterlooATEK
umd_hcil_run01
0.00
0.01
0.02
0.03
0.04
0.05
0
2
4
6
8
ECNURUNA1
ECNURUNA2
PKUICSTRunA2
UWaterlooATNDEK
UWaterlooATEK
UWaterlooATDK
umd_hcil_run01

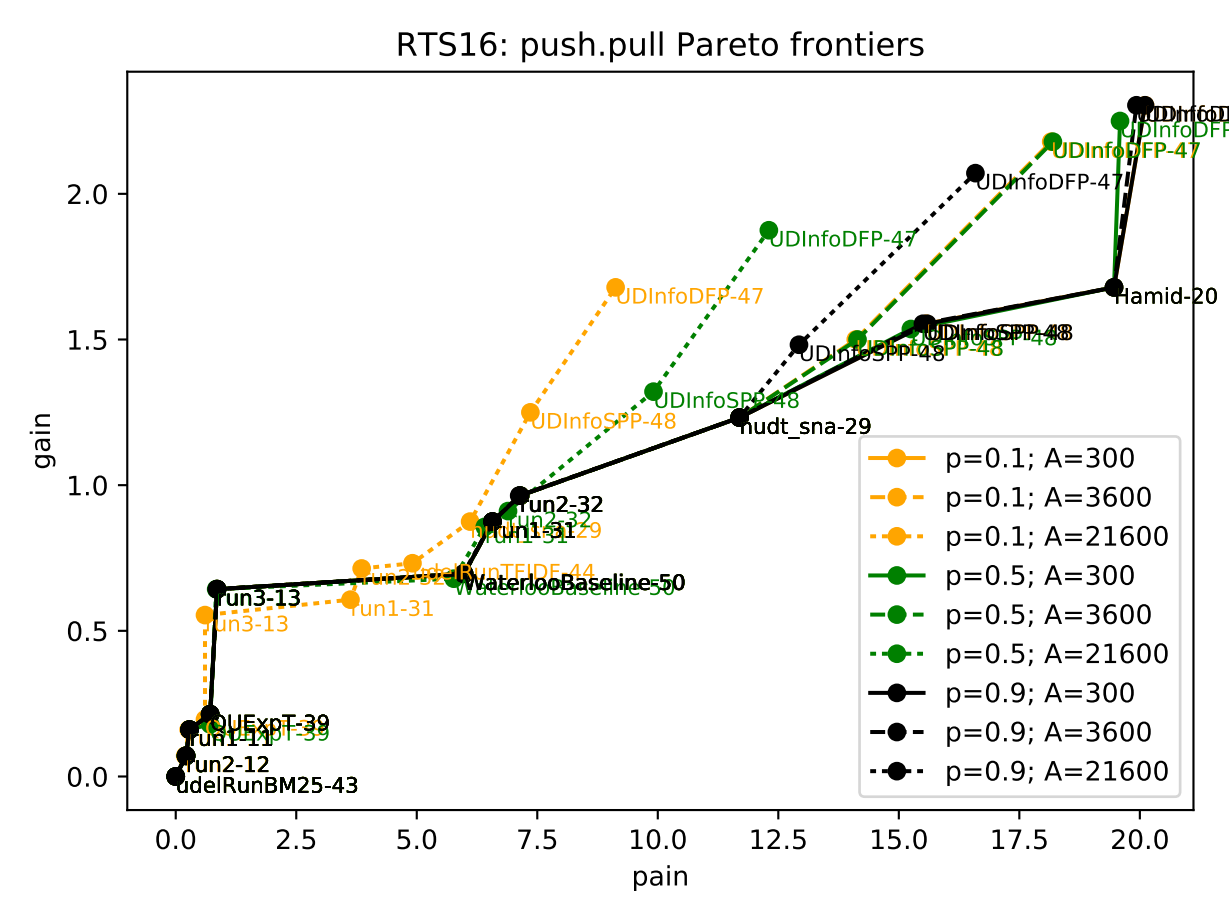


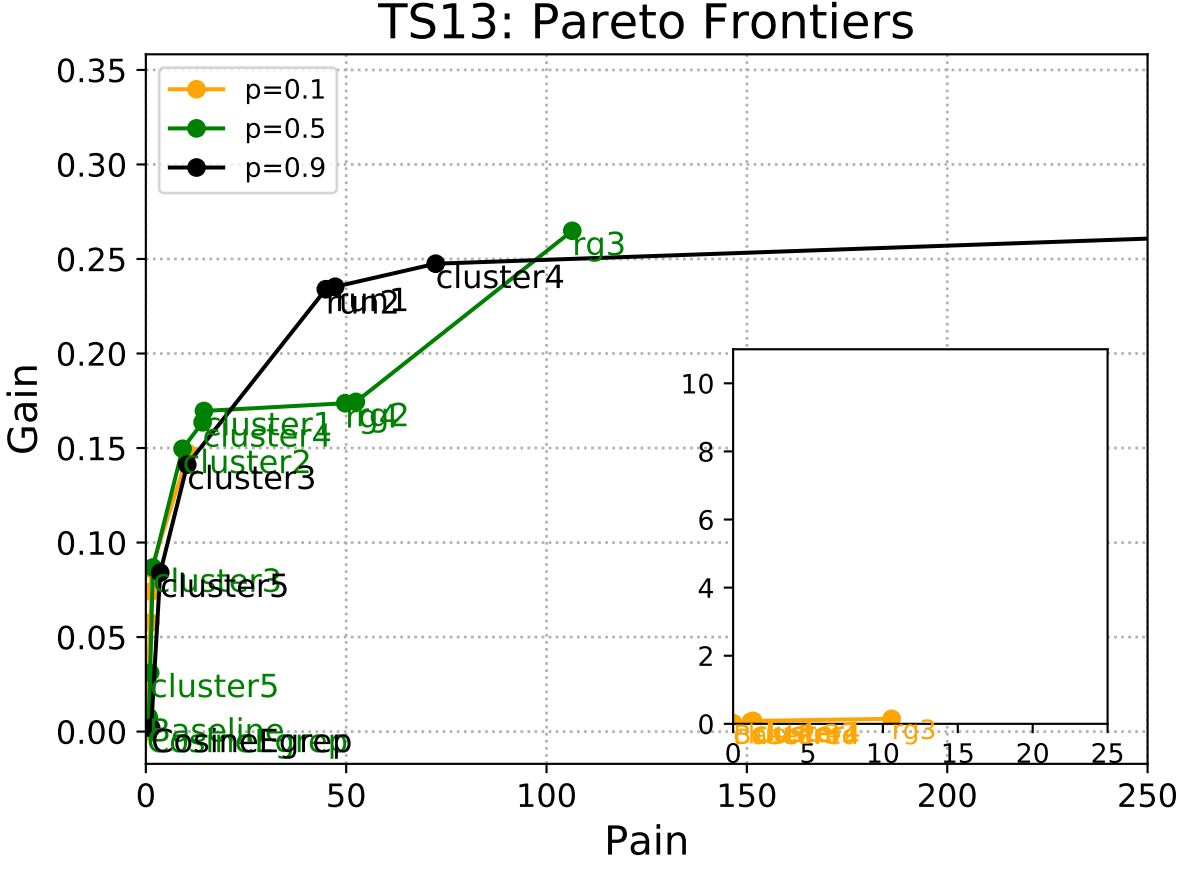
MB15: only.pull Pareto frontiers
gain
pain
0
2
4
6
8
10
0
10
20
30
40
50
CLIP-A-DYN
SNACSA
SNACSA
SNACSA
CLIP-A-5
CLIP-A-DYN
CLIP-A-5
PKUICSTRunA2
SNACSA
PKUICSTRunA2
SNACSA
PKUICSTRunA2
udelRun1A
PKUICSTRunA2
udelRun1A
SNACS_LA
SNACS_LA
udelRun1A
UWaterlooATDK
UWaterlooATDK
RIT-KLTFIDF
UWaterlooATDK
prnaTaskA2
prnaTaskA3
prnaTaskA2
prnaTaskA3
prnaTaskA3
umd_hcil_run01
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

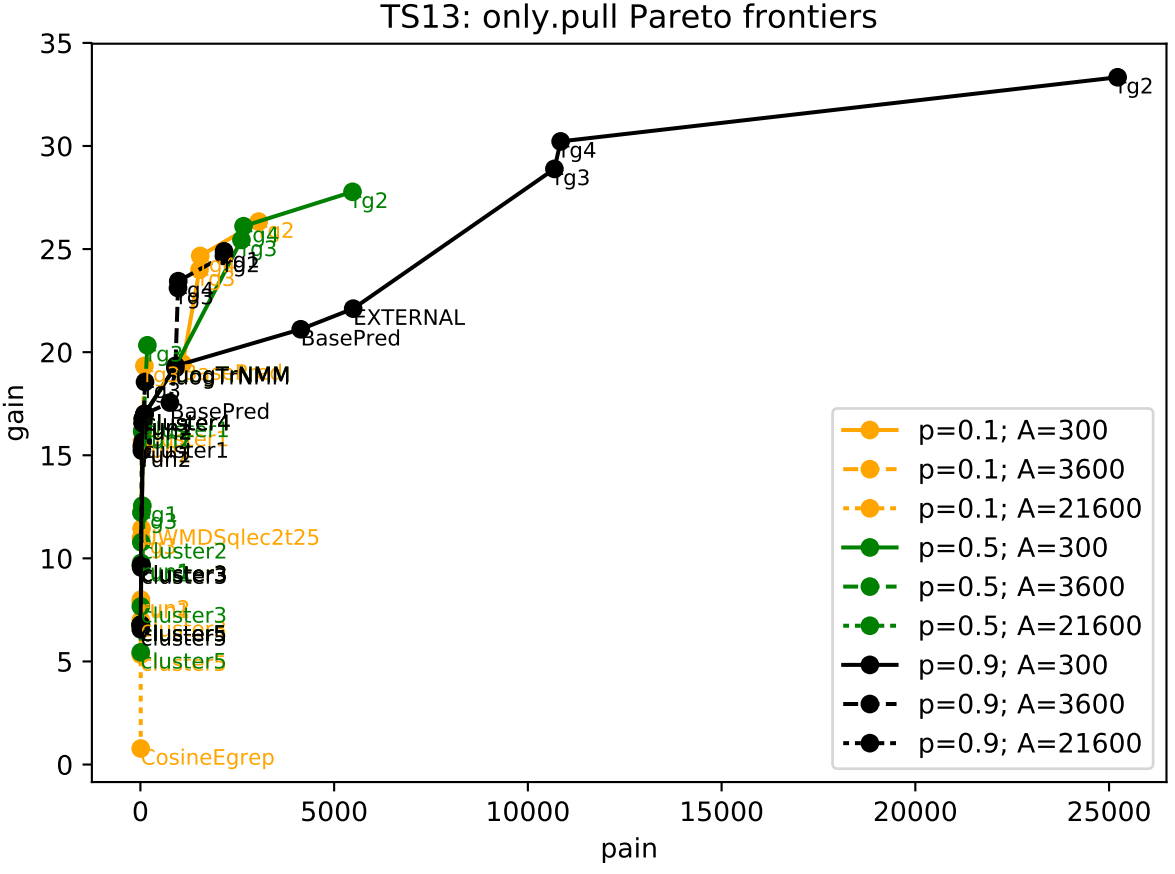

MB15: push.pull Pareto frontiers
gain
pain
0
2
4
6
8
10
0
10
20
30
40
p=0.1; A=300
p=0.1; A=3600
p=0.1; A=21600
p=0.5; A=300
p=0.5; A=3600
p=0.5; A=21600
p=0.9; A=300
p=0.9; A=3600
p=0.9; A=21600
umd_hcil_run01
prnaTaskA3
prnaTaskA2
UWaterlooATNDEK
UWaterlooATEK
PKUICSTRunA2
SNACSA
CLIP-A-DYN-

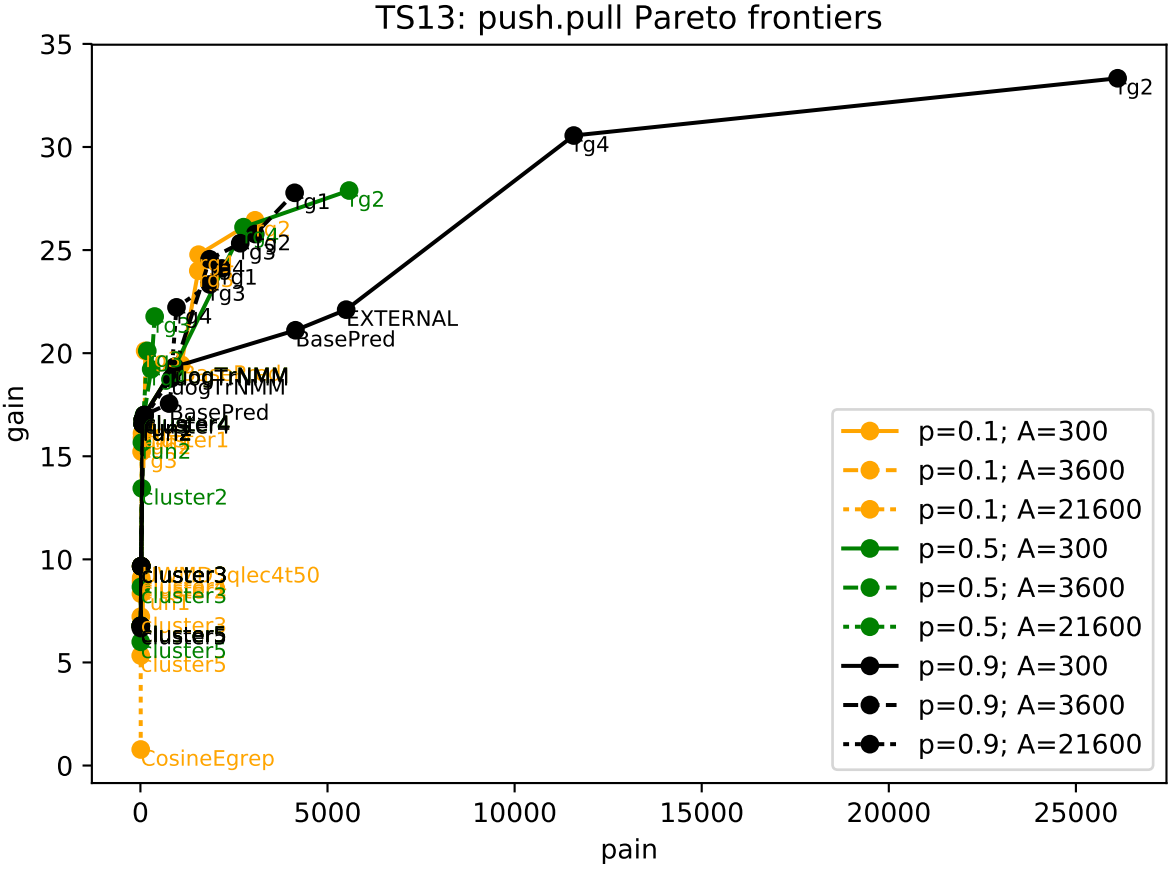

RTS16: Pareto Frontiers
p=0.1
p=0.5
p=0.9
UDInfoDFP-47
UDInfoSFP-46
UDInfoSPP-48
UDInfoSFP-46
UDInfoDFP-47
UDInfoSPP-48
run3-13
run3-13
run1-11
udelRunBM25-43
Gain
Pain
0.00
0.05
0.10
0.15
0.20
0
5
10
15
20
25
30
35
40
0.00
0.01
0.02
0.03
0.04
0.05
0
1
2
3
run2-32
run3-13
HLIJT_LM-19


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
nudt_sna-29
Hamid-20
run2-32
run1-31
WaterlooBaseline-50
run3-13
QUExpT-39
run1-11
run2-12
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
nudt_sna-29
WaterlooBaseline-50
Tun3-13
Tun1-31
Tun2-32
Tun1-11
Tun2-12
udelRunBM25-43


TS13: Pareto Frontiers
p=0.1
p=0.5
p=0.9
Gain
Pain
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
250
rg3
cluster4
rum2
cluster1
rg2
cluster4
cluster2
cluster3
cluster5
cluster5
Baseline
CosineEgrep
10
8
6
4
2
0
0
5
10
15
20
25
rg3


TS13: only.pull Pareto frontiers
gain
pain
0
5
10
15
20
25
30
35
0
5000
10000
15000
20000
25000
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
EXTERNAL
BasePred
CosineEgrep


TS13: push.pull Pareto frontiers
gain
pain
0
5
10
15
20
25
30
35
0
5000
10000
15000
20000
25000
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
rg1
rg2
rg3
rg4
EXTERNAL
BasePred
CosineEgrep
cluster1
cluster2
cluster3
cluster4
cluster5