

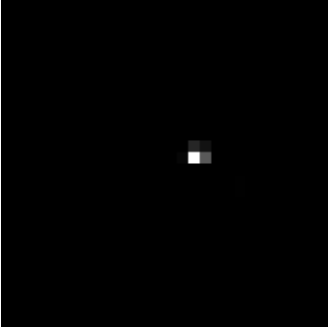
Active Learned Features Across Sparsity Levels

MNIST Dataset

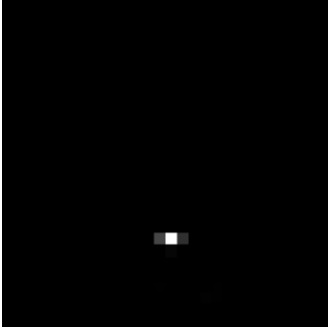
Each row shows most frequently activated features for given sparsity level
Numbers in parentheses show activation frequency on test set

Dense
(256 active)

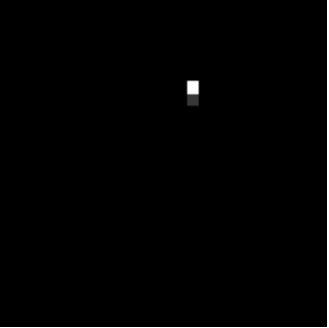
F148
(3974x)



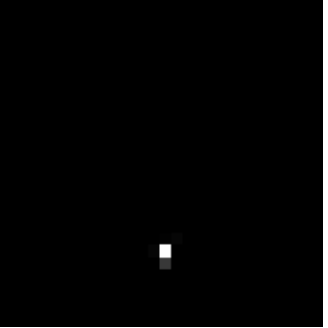
F209
(3909x)



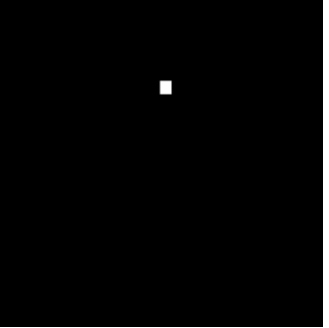
F207
(3879x)



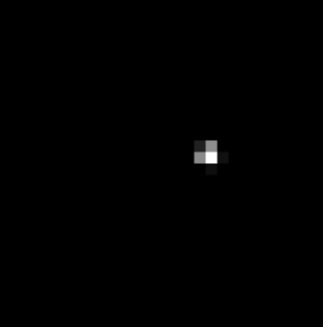
F2
(3833x)



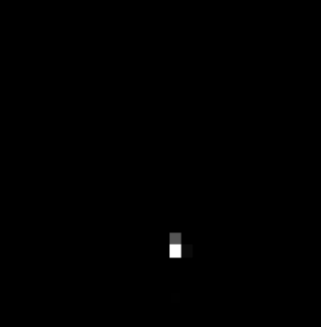
F105
(3821x)



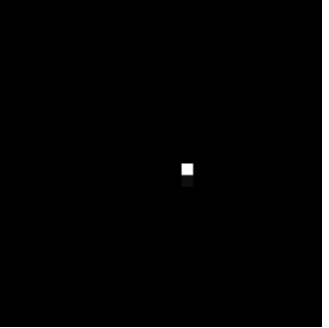
F145
(3797x)



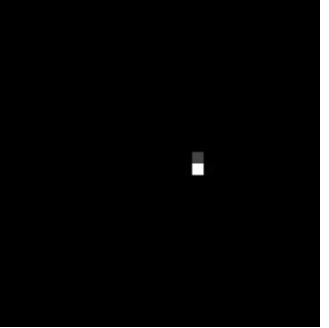
F60
(3791x)



F26
(3765x)



F214
(3761x)



k=10
(140 active)

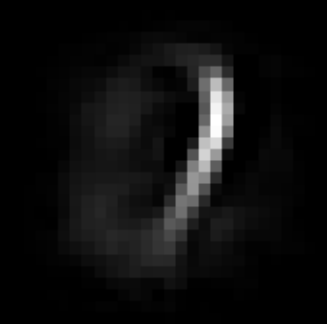
F137
(3793x)



F148
(3709x)



F189
(2540x)



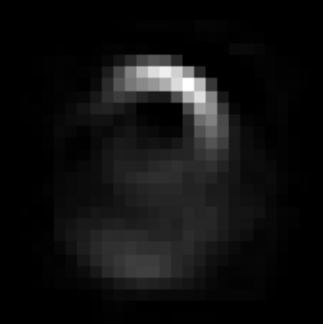
F58
(2239x)



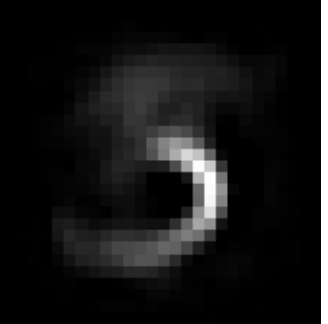
F183
(2183x)



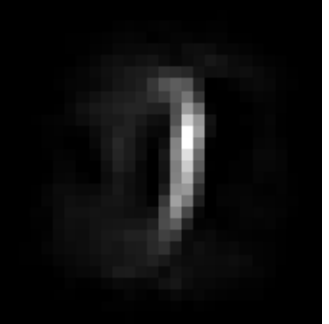
F155
(2183x)



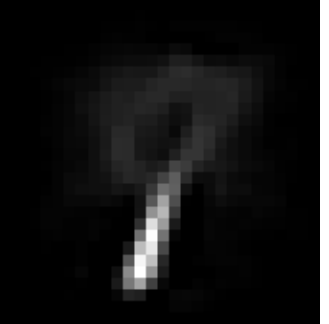
F157
(2114x)



F234
(2063x)

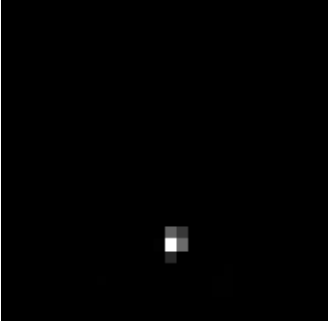


F118
(2061x)

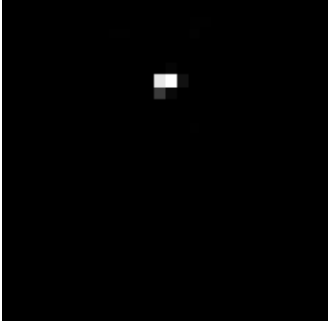


k=128
(256 active)

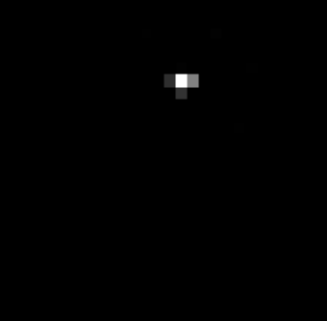
F60
(4716x)



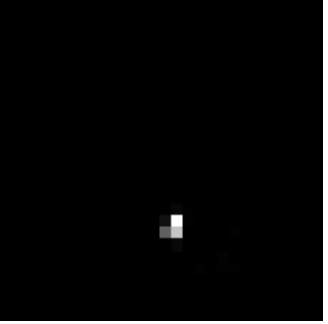
F87
(4649x)



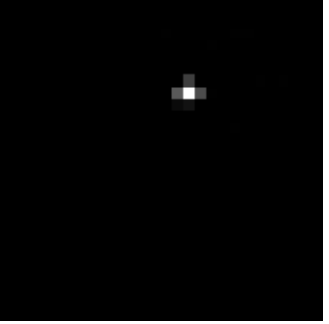
F133
(4383x)



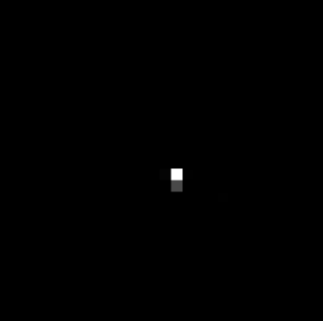
F244
(4143x)



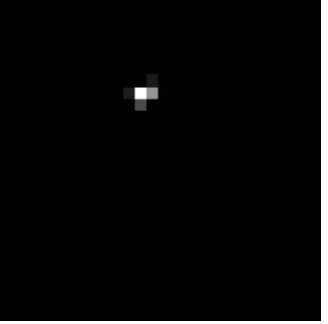
F198
(3891x)



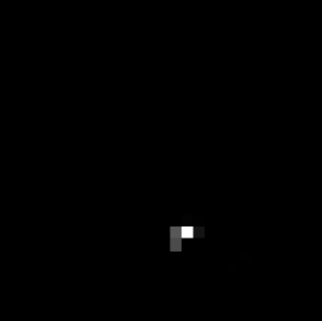
F238
(3764x)



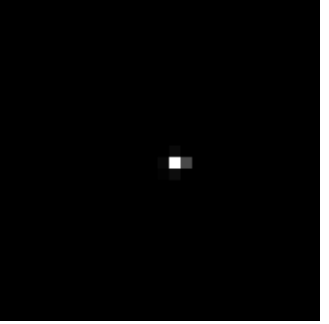
F51
(3705x)



F14
(3684x)



F26
(3664x)



k=20
(169 active)

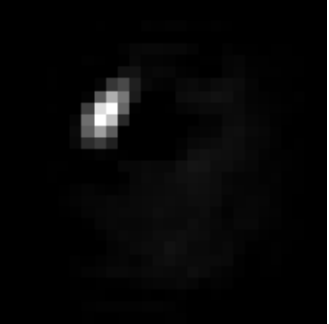
F167
(3381x)



F253
(3135x)



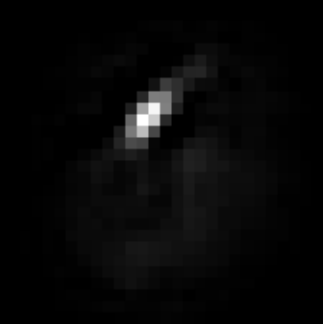
F137
(3075x)



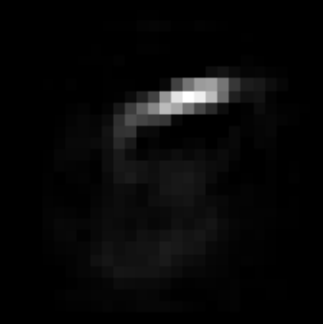
F244
(2744x)



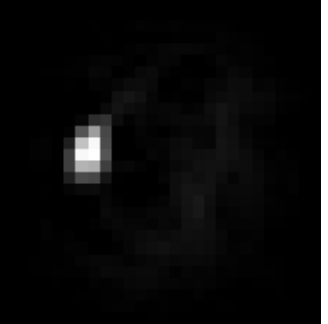
F55
(2494x)



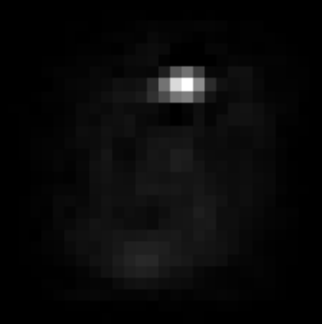
F241
(2420x)



F136
(2371x)



F91
(2291x)

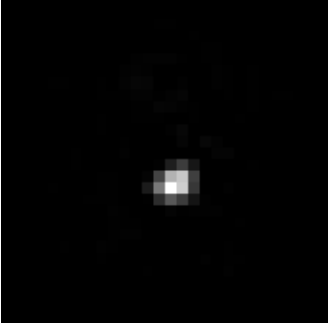


F251
(2176x)

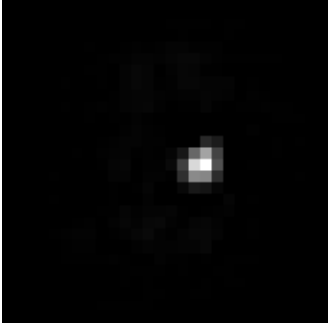


k=40
(246 active)

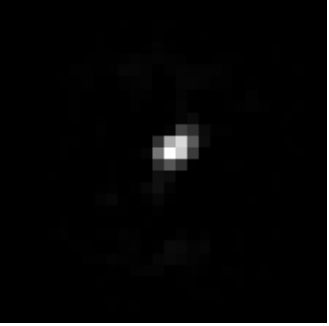
F41
(5956x)



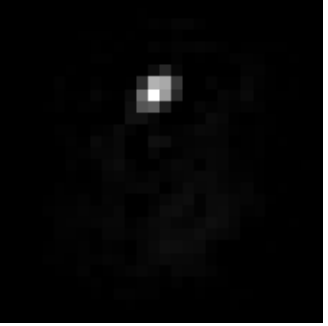
F22
(5601x)



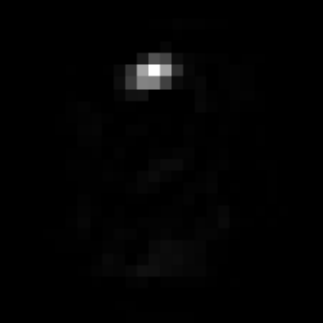
F129
(5030x)



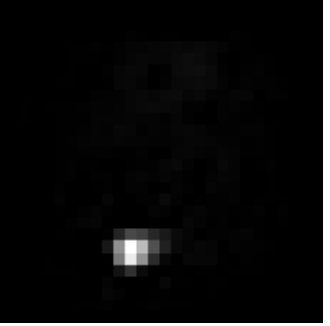
F174
(4824x)



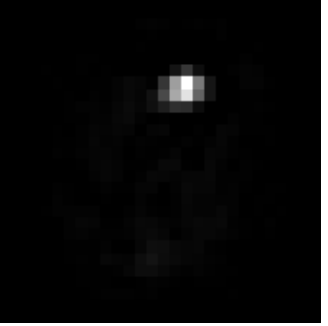
F25
(4654x)



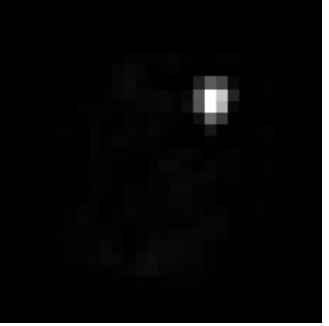
F244
(4393x)



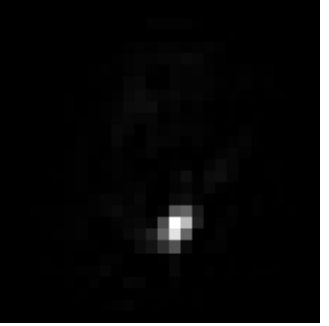
F47
(4355x)



F103
(4011x)

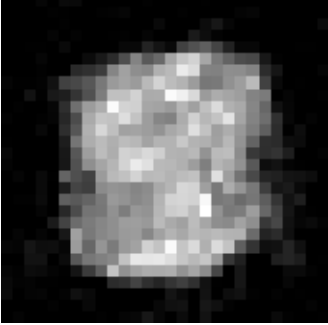


F190
(3714x)

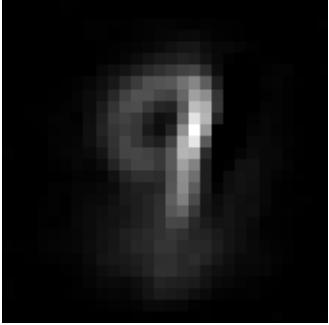


k=5
(84 active)

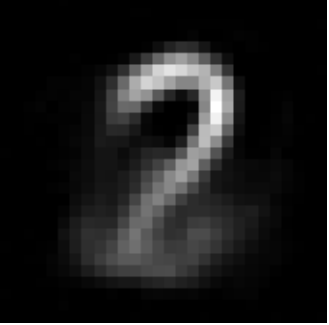
F191
(17371x)



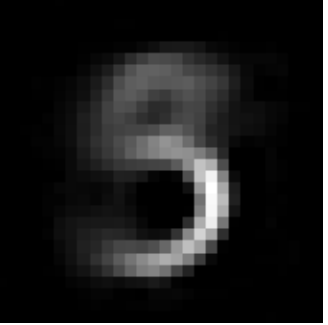
F76
(4844x)



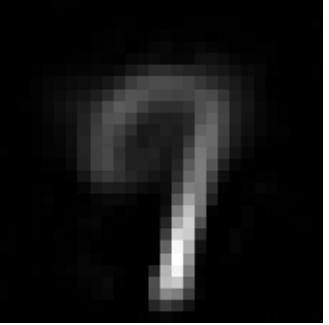
F213
(3734x)



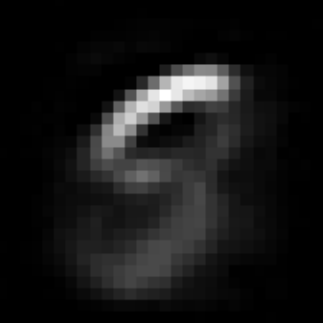
F156
(3565x)



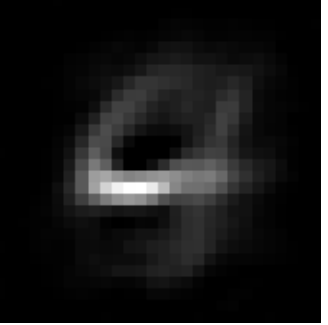
F136
(3564x)



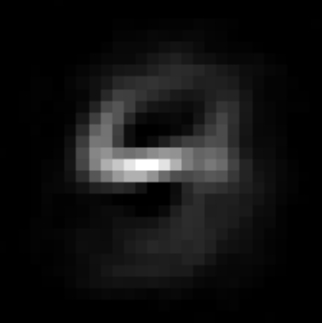
F127
(3318x)



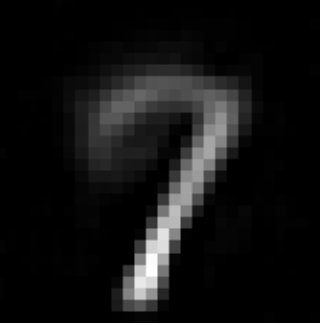
F42
(3146x)



F112
(3051x)

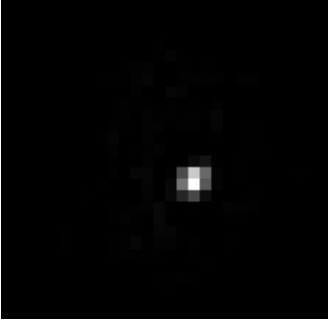


F161
(2686x)

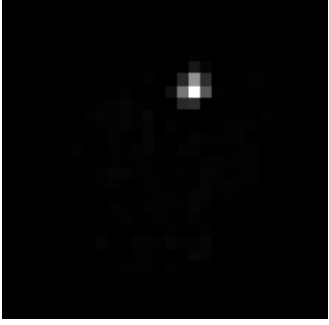


k=64
(256 active)

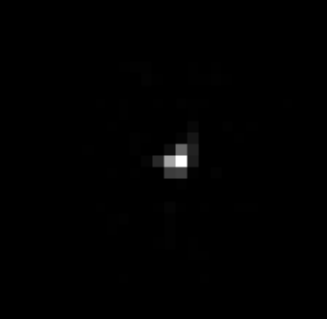
F40
(4442x)



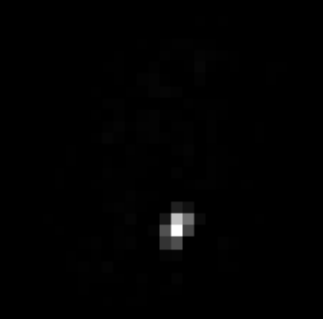
F70
(4335x)



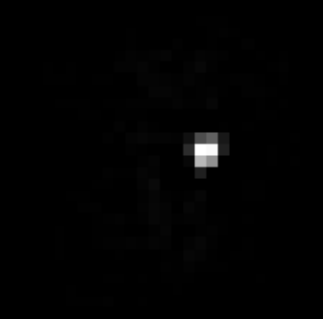
F251
(4334x)



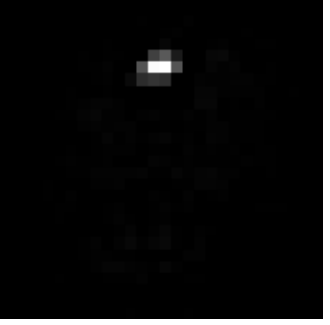
F60
(4267x)



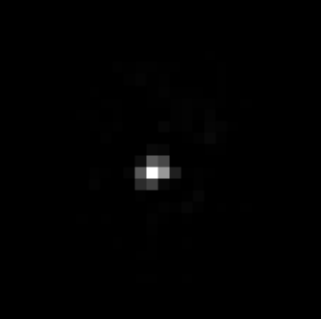
F80
(4193x)



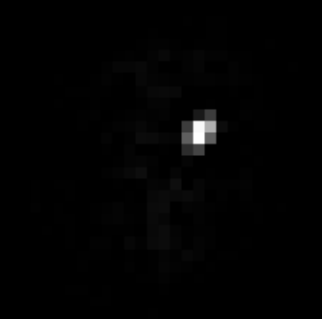
F139
(3998x)



F164
(3809x)



F246
(3742x)



F9
(3730x)

