## Predicted hyperparameter value VGG+A.R.Net+A. 2x 4x $L_1$ **EDSR RCAN RDN SwinIR** NLSN 15±6 EDSR-2x -100 0 100 0 0 45±7 35±8 2±1 1 LIIF-2x 100 100 0 0 0 RCAN-2x -100 100 0 2±2 63±4 $30 \pm 4$ 2±1 0 0 $1\pm1$ 0 54±1 RDN-2x -100 0 100 0 4±3 38±3 2±1 0 R. ESRGAN-2x 97 2 0 81±10 18±10 SRFBN-2x -100 0 100 0 0 SwinIR-2x 100 0 100 0 0 $2\pm2$ 68±6 21±3 6±2 2 NLSN-2x 100 0 100 0 0 $1\pm1$ 68±3 24±4 $3\pm1$ $3\pm1$ DRN-4x -0 100 100 0 0 EDSR-4x 0 100 100 0 0 11±3 69±11 4±2 14±7 0 LIIF-4x -0 100 100 0 0 proSR-4x 0 100 100 0 0 23±7 RCAN-4x -0 100 100 0 0 0 75±6 0 1 RDN-4x -100 100 0 0 62±11 36±10 0 0 0 $1\pm1$ SAN-4x 99 100 0 0 0 SRFBN-4x -100 100 0 0 0 SwinIR-4x 0 84±9 14±9 0 1 0 99 100 0 0 NLSN-4x 100 0 0 68±4 20±8 0 100 0 $10 \pm 4$ 0 ESRGAN-4x 51±7 49±7 89±4 11±4 0 0 99 1 98 E.Net-4x 0 NCSR-4x -81±9 18±9 71±9 28±9 0 proSR-4x -5±2 95±3 94±2 0 4±3

R. ESRGAN-4x

SwinIR-adv-4x -

SPSR-4x -

91±3

77±7

78±8

Scale

9±3

22±7

21±8

0

 $2\pm2$ 

0

49±6

58±8

55±7

Loss

50±6

39±6

44±8

 $9\pm2$ 

45±12 42±11

**Architecture** 

2±2

1