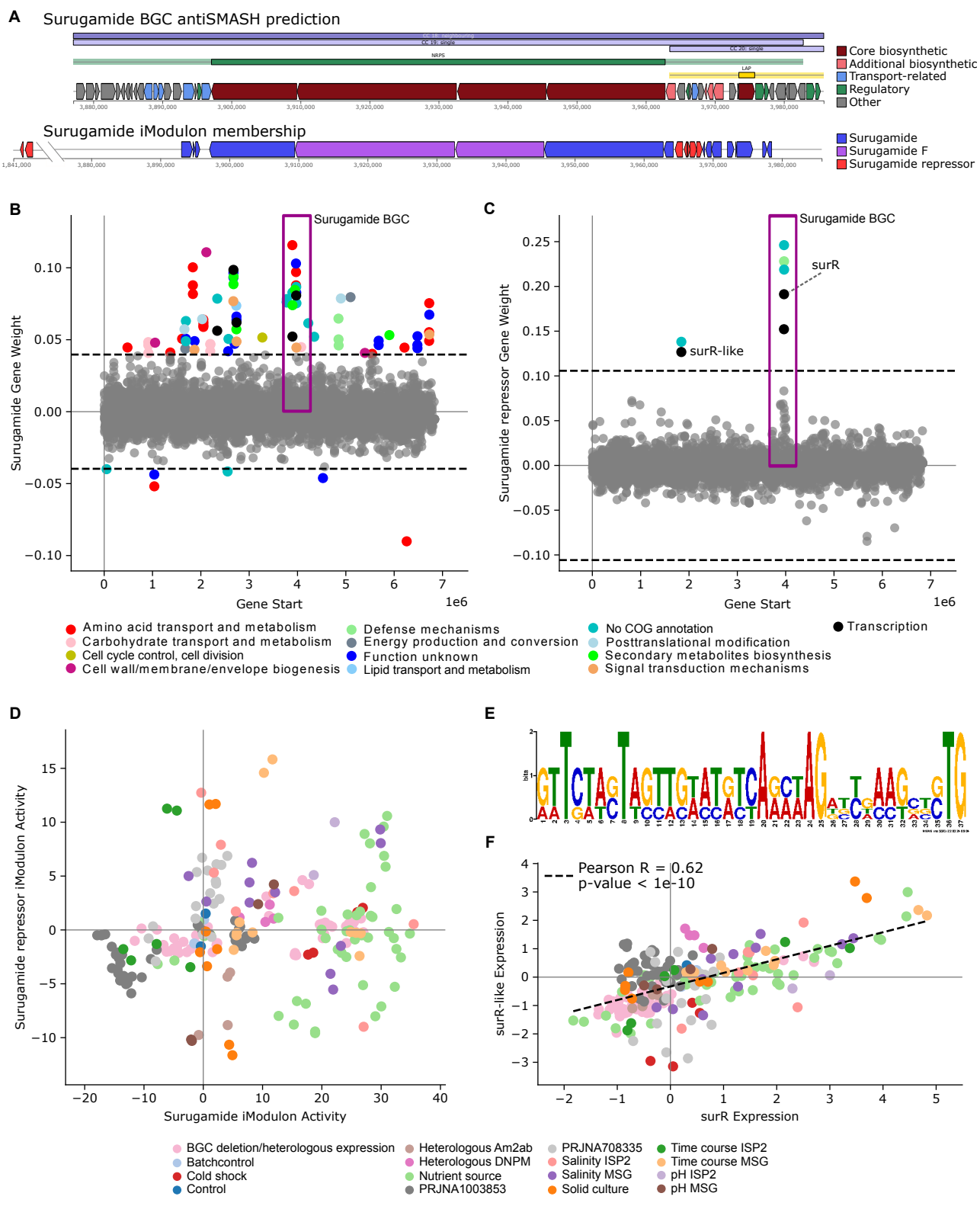
A
Surugamide BGC antiSMASH prediction
Core biosynthetic
Additional biosynthetic
Transport-related
Regulatory
Other
Surugamide iModulon membership
Surugamide
Surugamide F
Surugamide repressor
B
Surugamide BGC
Surugamide Gene Weight
Gene Start
1e6
C
Surugamide BGC
surR
surR-like
Surugamide repressor Gene Weight
Gene Start
1e6
Amino acid transport and metabolism
Carbohydrate transport and metabolism
Cell cycle control, cell division
Cell wall/membrane/envelope biogenesis
Defense mechanisms
Energy production and conversion
Function unknown
Lipid transport and metabolism
No COG annotation
Posttranslational modification
Secondary metabolites biosynthesis
Signal transduction mechanisms
Transcription
D
Surugamide repressor iModulon Activity
Surugamide iModulon Activity
E
bits
F
Pearson R = 0.62
p-value < 1e-10
surR-like Expression
surR Expression
BGC deletion/heterologous expression
Batchcontrol
Cold shock
Control
Heterologous Am2ab
Heterologous DNPM
Nutrient source
PRJNA1003853
PRJNA708335
Salinity ISP2
Salinity MSG
Solid culture
Time course ISP2
Time course MSG
pH ISP2
pH MSG