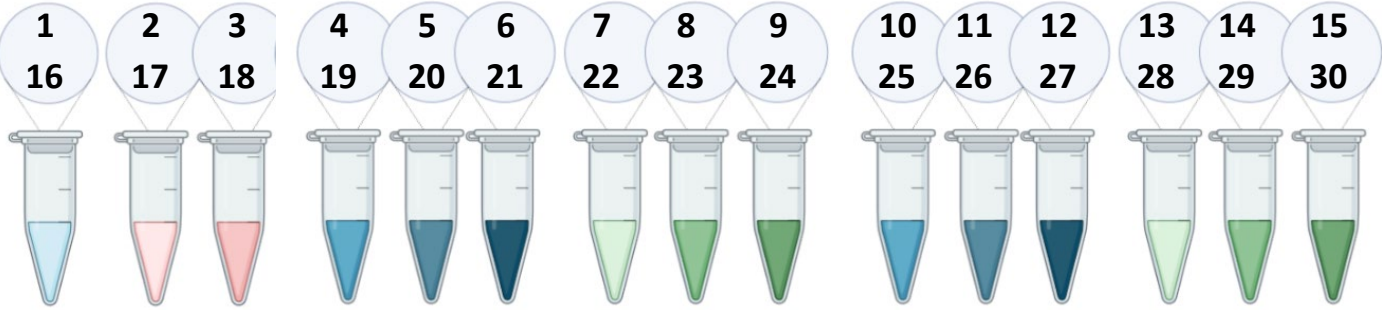
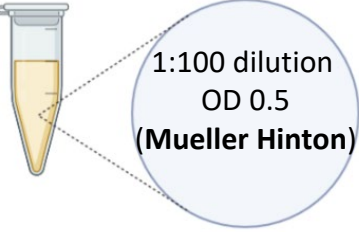


1	#1 w/o control	
2	#1 JVpna22	KFF-acpP-scr
3	#1 JVpna21	KFF-acpP
4	#1 JVpna39	KFF-tnaB
5	#1 JVpna40	KFF-dnaB
6	#1 JVpna41	KFF-ftsZ
7	#1 JVpna42	KFF-rpoD
8	#1 JVpna43	KFF-pyrH
9	#1 JVpna44	KFF-yidC
10	#1 JVpna45	KFF-adk
11	#1 JVpna46	KFF-rnpA
12	#1 JVpna47	KFF-nusG
13	#1 JVpna48	KFF-rpsH
14	#1 JVpna49	KFF-rplS
15	#1 JVpna50	KFF-csrA
16	#2 w/o control	
17	#2 JVpna22	KFF-acpP-scr
18	#2 JVpna21	KFF-acpP
19	#2 JVpna39	KFF-tnaB
20	#2 JVpna40	KFF-dnaB
21	#2 JVpna41	KFF-ftsZ
22	#2 JVpna42	KFF-rpoD
23	#2 JVpna43	KFF-pyrH
24	#2 JVpna44	KFF-yidC
25	#2 JVpna45	KFF-adk
26	#2 JVpna46	KFF-rnpA
27	#2 JVpna47	KFF-nusG
28	#2 JVpna48	KFF-rpsH
29	#2 JVpna49	KFF-rplS
30	#2 JVpna50	KFF-csrA
31	#1 w/o control	
32	#1 JVpna22	KFF-acpP-scr
33	#1 JVpna21	KFF-acpP
34	#1 JVpna53	KFF-clbA1
35	#1 JVpna54	KFF-clbA2
36	#1 JVpna52	KFF-clbP
37	#1 JVpna51	KFF-clbQ

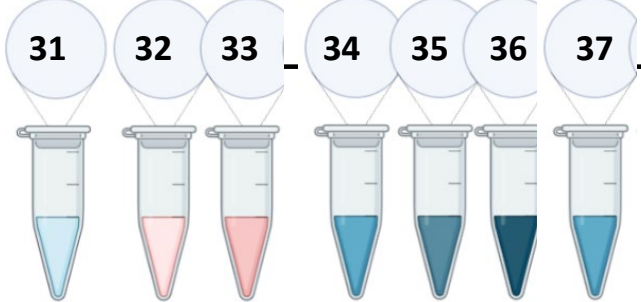
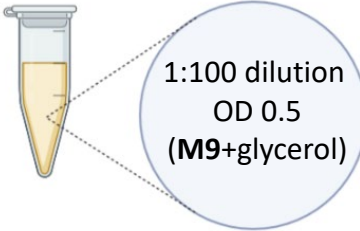
Essential gene PNAs

Samples 1-15: batch #1

Samples 16-30: batch #2



Setup 2



Colibactin PNAs

Samples 31-37: batch #1

Setup 1

PNA	#	Locus tag	PNA sequence	Off-targets
KFF-tnaB	JVpna-39	ECP_3909	GTCATGATGC	17 (1 in start region of ECP_3575)
KFF-dnaB	JVpna-40	ECP_4268	CTGCCATAGT	2
KFF-ftsZ	JVpna-41	ECP_0097	CAAACATAGT	0
KFF-rpoD	JVpna-42	ECP_3157	CCATAAGACG	3
KFF-pyrH	JVpna-43	ECP_0179	CCATGTTTCT	3 (1 in start region of ECP_4605)
KFF-yidC	JVpna-44	ECP_3906	TCCATCGTTA	2
KFF-adk	JVpna-45	ECP_0535	CGCATTGCGA	7 (1 in start region of ECP_3718)
KFF-rnpA	JVpna-46	ECP_3905	ACAAGCGTAA	4
KFF-nusG	JVpna-47	ECP_4195	GACATCTCAG	2
KFF-rpsH	JVpna-48	ECP_3394	CTCATCTGTC	5
KFF-rplS	JVpna-49	ECP_2607	CTCATAATTT	18 (8 in start region)
KFF-csrA	JVpna-50	ECP_2656	AGCATTCTTT	10
KFF-acpP	Jvpna-21	ECP_1086	CTCATACTCT	10

Setup 2

PNA	#	Locus tag	PNA sequence	Off-targets
KFF-acpP	Jvpna-21	ECP_1086	CTCATACTCT	10 (1 in start region of ECP_4552)
KFF-clbQ	Jvpna-51	ECP_1964	CTCATCGTCC	11
KFF-clbP	Jvpna-52	ECP_1965	GTCATCCTGT	14 (1 in start region of ECP_4612)
KFF-clbA1	Jvpna-53	ECP_1982	CTCATTTAGA	0
KFF-clbA2	Jvpna-54	ECP_1982	CAATCCTCAT	7 (2 in start region of ECP_2566, ECP_3346)

Analysis setup 1: PCA, volcano and heatmap versus w/o control

→ regulation of direct PNA-targets?

→ off-target regulation?

Analysis setup 2: volcano and heatmap versus w/o control

→ regulation of direct PNA-targets?

→ off-target regulation?

Analysis setup 1 versus 2: *acpP* downregulation Mueller Hinton versus M9 upon JVpna21 treatment?