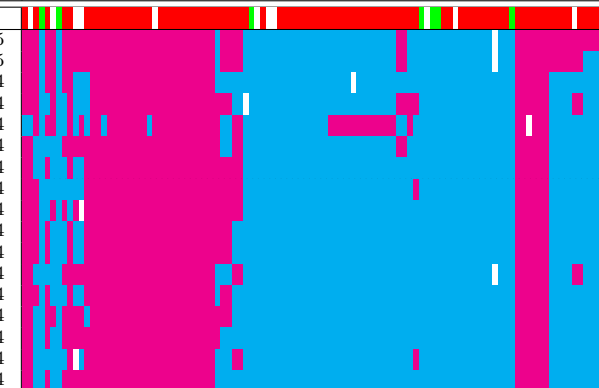
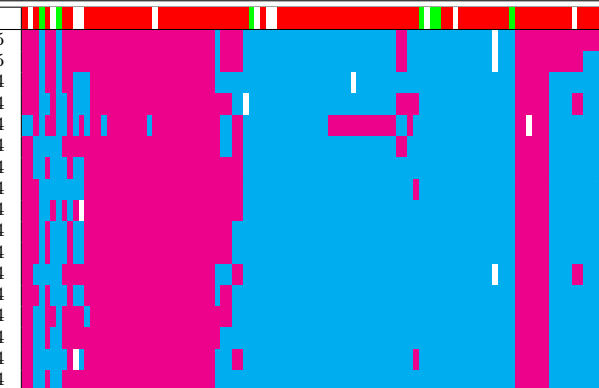
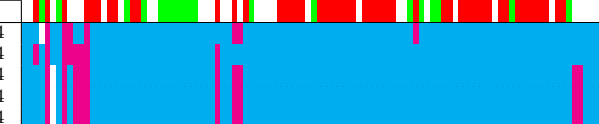
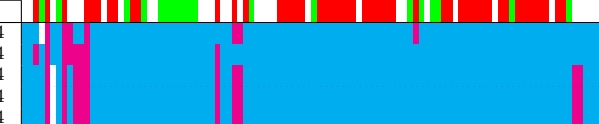




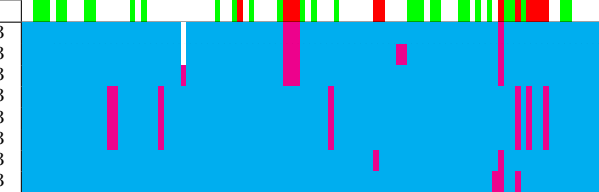
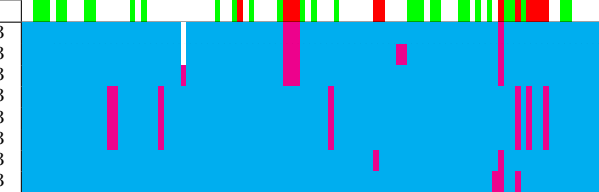
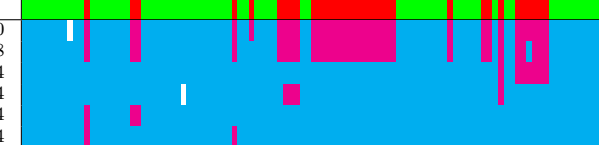
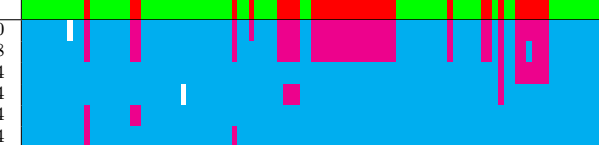


Gene identifier	desc.	NWS	p-value	Drug resistance and point mutation profiles	
Penicillin (NWS-threshold: 0.4)					
SAR0023(sasH)	G723D	0.63	1.87e-05		
SAR0023(sasH)	T725A	0.62	2.23e-05		
SAR0304	V295I	0.49	3.25e-04		
SAR2791	V182M	0.46	5.41e-04		
SAR2700	N493KD	0.45	6.16e-04		
SAR0233(hmp)	Q333K	0.44	7.21e-04		
SAR0318(sbnA)	N25HK	0.43	8.36e-04		
SAR2664	V282AT	0.43	8.36e-04		
SAR2779	S48G	0.43	8.36e-04		
SAR0318(sbnA)	T138IM	0.43	8.36e-04		
SAR0318(sbnA)	T139AQ	0.43	8.36e-04		
SAR0023(sasH)	A749TG	0.43	8.44e-04		
SAR0318(sbnA)	R130CG	0.43	8.72e-04		
SAR0322(folC)	H201YQE	0.43	8.72e-04		
SAR0233(hmp)	K323ET	0.42	9.08e-04		
SAR2750(icaC)	I21V	0.42	9.46e-04		
SAR0233(hmp)	S309RN	0.42	9.46e-04		
Meticillin (NWS-threshold: 0.25)					
SAR0198(oppF)	T287IK	0.29	1.41e-04		
SAR0420	I72F	0.29	1.41e-04		
SAR2508(sbi)	S219AT	0.29	1.41e-04		
SAR2508(sbi)	N222QK	0.29	1.41e-04		
SAR2508(sbi)	K224SDN	0.29	1.41e-04		
Tetracycline (NWS-threshold: 0.2)					
SAR1840	D291YS	0.23	7.09e-04		
SAR2336(rpsJ)	K57M	0.23	7.32e-04		
SAR0550(rpsL)	K113R	0.20	1.14e-03		
Erythromycin (NWS-threshold: 0.2)					
SAR0576	A68EV	0.21	8.89e-04		
Gentamicin (NWS-threshold: 0.21)					
SAR1840	L289IW	0.29	1.43e-03		
SAR1840	D291YS	0.29	1.43e-03		
SAR1840	H327RF	0.29	1.43e-03		
SAR1167(ylmH)	K215N	0.29	1.43e-03		
SAR1167(ylmH)	R216V	0.29	1.43e-03		
SAR1167(ylmH)	V217L	0.29	1.43e-03		
SAR0547(rpoB)	D471YG	0.21	4.61e-03		
SAR1833(trmB)	T54IK	0.21	4.61e-03		
Ciprofloxacin (NWS-threshold: 0.2)					
SAR1367(graI)	S80YF	1.00	6.03e-30		
SAR0006(gyrA)	S90AL	0.88	1.92e-18		
SAR2449(lytT)	V45I	0.20	2.06e-04		
SAR1840	L289IW	0.20	4.56e-04		
SAR1793(thiI)	A92ET	0.20	2.06e-04		
SAR2212(murA2)	A102T	0.20	2.06e-04		