Data	[6]					[11]					Deviation (D)***	
	Time* (s)	No Soft Adjust (%)	With Soft Adjust (%)	Wirelength	Success Rate** (%)	Time (s)	No Soft Adjust (%)	With Soft Adjust (%)	Wirelength	Success Rate (%)	General****	Optimization
Data set 1												
ami33-a	13.60 (+1)	6.30%	1.42	3157.30	92.10	4.11 (+0)	3.64	1.56	710.50	99.80	0.29	0.00
ami33-b	15.80 (+0)	6.59%	1.84	4282.10	84.60	6.13 (+0)	3.97	1.67	1366.70	99.28	0.59	0.02
ami33-c	18.10 (+0)	7.82%	2.34	5110.30	73.70	7.35 (+0)	4.58	1.72	2433.20	98.18	0.69	0.04
ami33-d	22.10 (+1)	8.36%	2.35	5633.20	71.70	8.05 (+0)	4.76	1.87	3318.40	97.81	0.82	0.04
ami33-e	60.40 (+2)	8.99%	1.97	6225.40	75.60	8.91 (+0)	4.59	1.88	4578.60	95.46	0.83	0.05
ami33-f	66.00 (+1)	9.46%	1.98	6861.80	69.60	10.01 (+0)	4.68	1.98	5087.20	95.12	1.32	0.06
ami49-a	24.60 (+2)	5.32%	1.21	11568.70	91.78	8.96 (+0)	2.80	0.86	5304.40	100.00	1.27	0.01
ami49-b	38.60 (+2)	5.97%	1.55	16413.90	89.36	10.14 (+0)	3.35	0.95	8189.40	100.00	1.59	0.09
ami49-c	38.10 (+2)	6.47%	1.50	19841.00	84.86	11.84 (+1)	3.96	1.30	12761.60	100.00	2.29	0.15
ami49-d	38.70 (+2)	7.86%	1.74	NA	81.02	15.96 (+1)	4.71	1.56	16955.80	100.00	3.32	0.17
ami49-e	52.00 (+2)	9.35%	2.16	NA	77.82	20.86 (+1)	5.23	1.55	22452.60	100.00	5.24	0.23
Average	**347%**	**178%**	**119%**	**181%**	**82%**	**100%**	**100%**	**100%**	**100%**	**100%**	**2135%**	**100%**
Data set 2												
ami33-g	6.80 (+1)	5.36	1.47	433.60	80.12	5.65 (+0)	2.36	1.28	118.30	95.58	0.33	0.20
ami33-h	10.70 (+1)	7.16	1.87	2654.70	72.90	6.51 (+0)	3.76	1.51	1999.30	91.30	0.78	0.08
ami33-i	24.10 (+1)	6.68	2.13	3778.80	52.24	7.16 (+0)	3.84	1.89	3146.80	90.14	0.94	0.06
ami49-f	40.90 (+2)	6.11	1.60	17644.00	1.21	9.75 (+1)	3.81	1.16	11716.40	89.05	0.89	0.09
ami49-g	42.50 (+2)	6.69	3.58	30333.00	2.69	9.80 (+1)	3.86	1.10	12289.70	88.88	0.85	0.09
ami49-h	52.20 (+2)	7.01	1.15	22318.00	3.21	10.09 (+1)	4.20	1.23	15646.80	88.71	0.84	0.07
Average	**358%**	**179%**	**144%**	**172%**	**39%**	**100%**	**100%**	**100%**	**100%**	**100%**	**781%**	**100%**