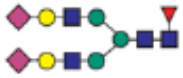
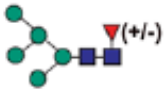
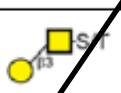
A

Cell line	Mutation	N-glycan	O-glycan
CHO-K1 (Wild type)	---		
CHO-gmt6	CMP-SAT; GnT I		
CHO-gmt7	UDP-GalT; GnT I		

Sialic acid: ◆ Galactose: ● GlcNAc: ■ Mannose: ● Fucose: ▼

B

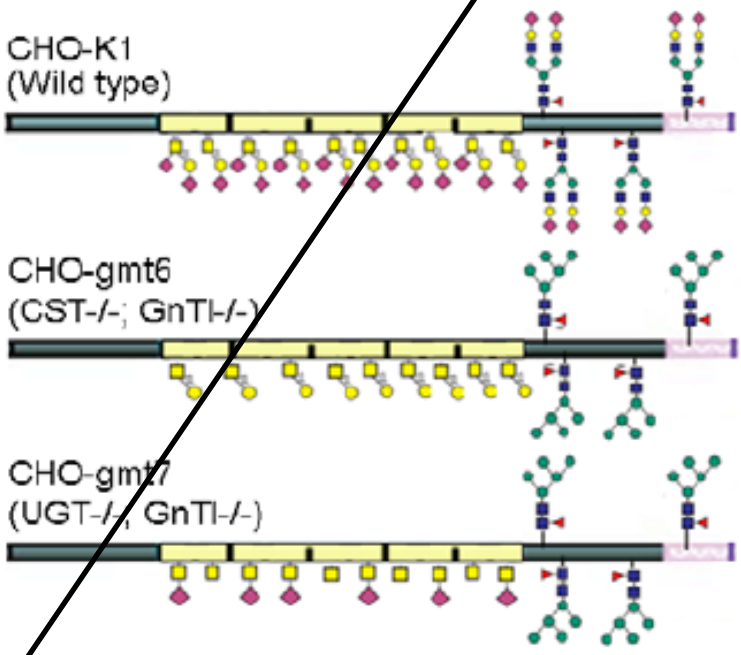


Figure 1

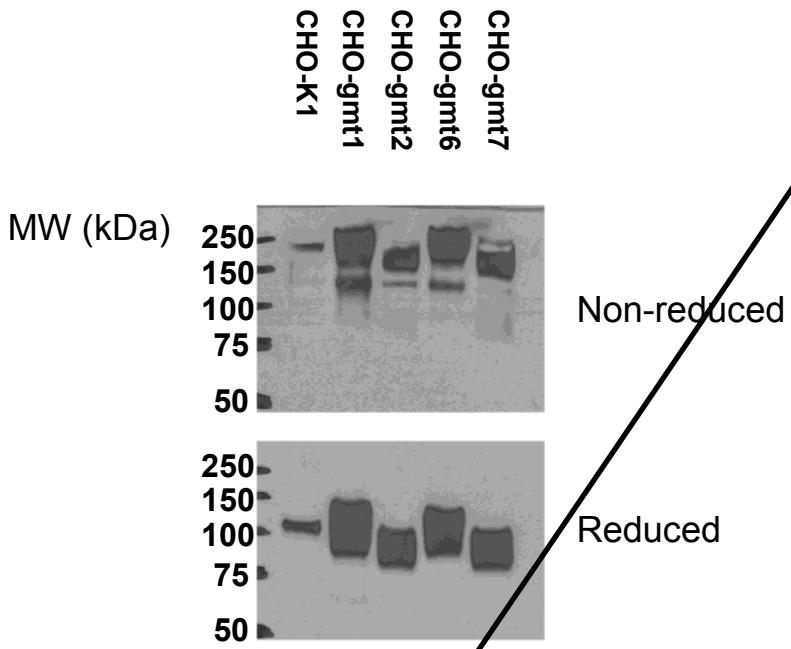


Figure 4



Figure 5

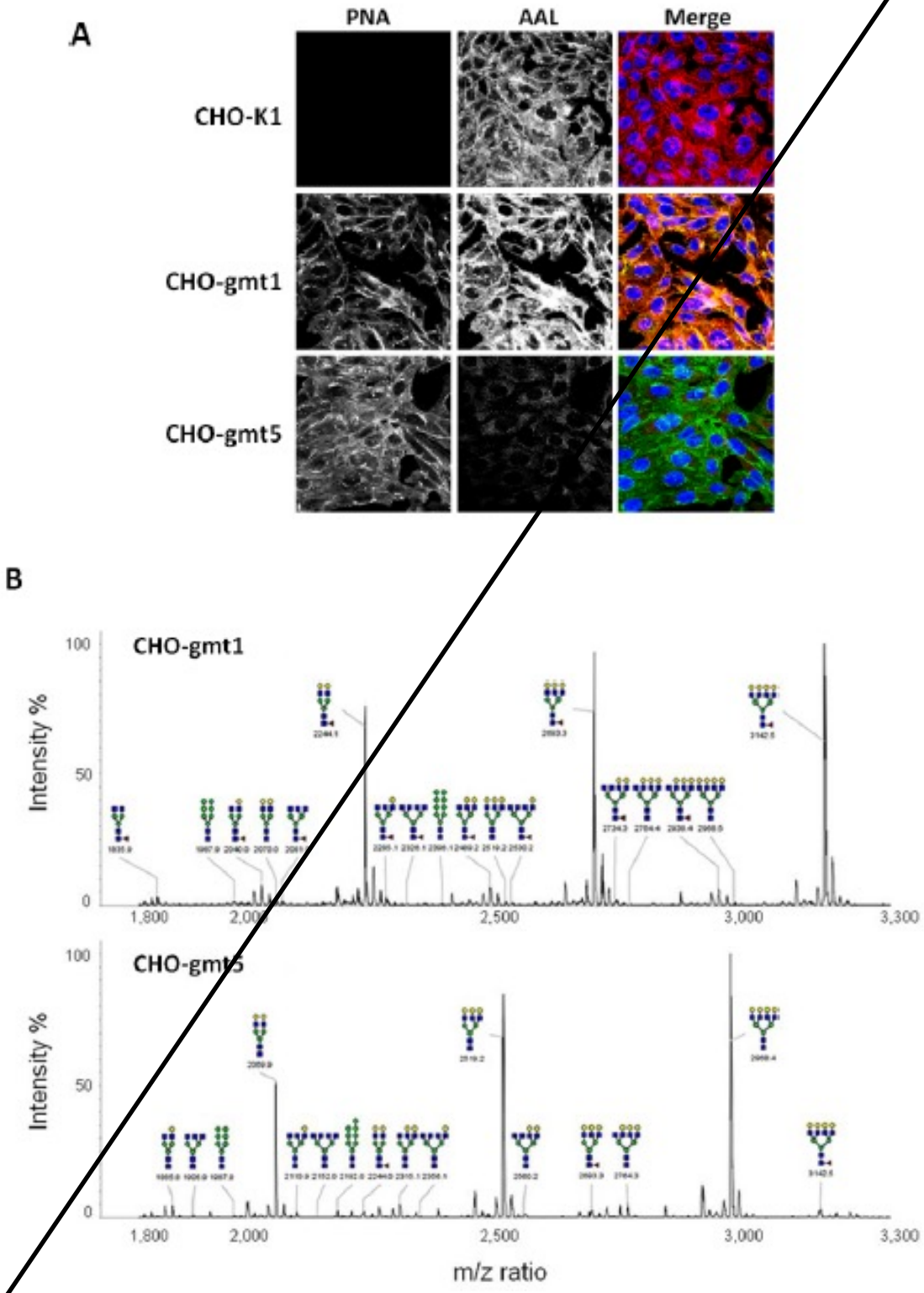

A
PNA
AAL
Merge
CHO-K1
CHO-gmt1
CHO-gmt5
B
CHO-gmt1
Intensity %
100
50
0
1,800
2,000
2,500
3,000
3,300
CHO-gmt5
Intensity %
100
50
0
1,800
2,000
2,500
3,000
3,300
m/z ratio

Figure 6

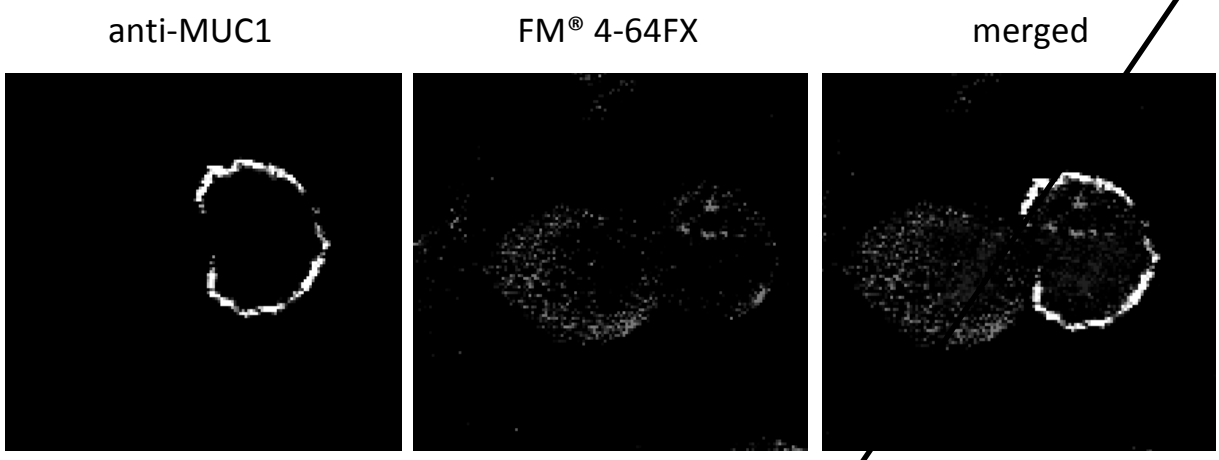
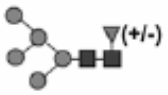
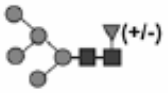


Figure 10

A

Cell line	Mutation	N-glycan	O-glycan
CHO-K1 (Wild type)	---		
CHO-gmt6	CMP-SAT; GnT I		
CHO-gmt7	UDP-GalT; GnT I		



B

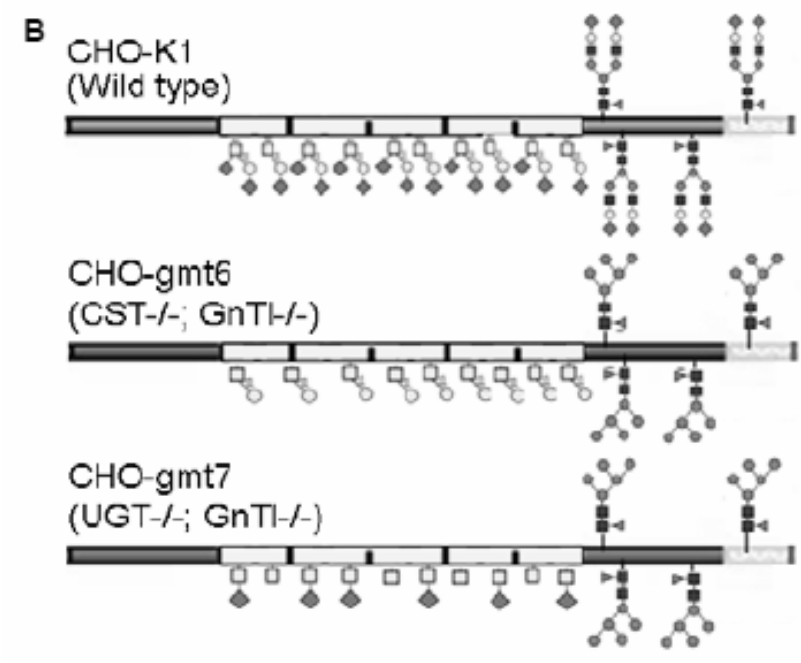


Figure 1

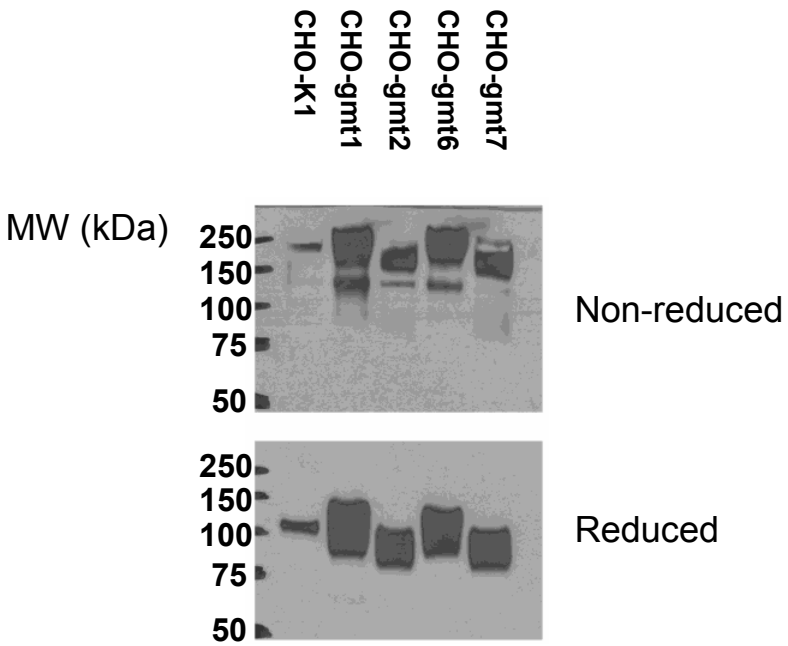


Figure 4



Figure 5

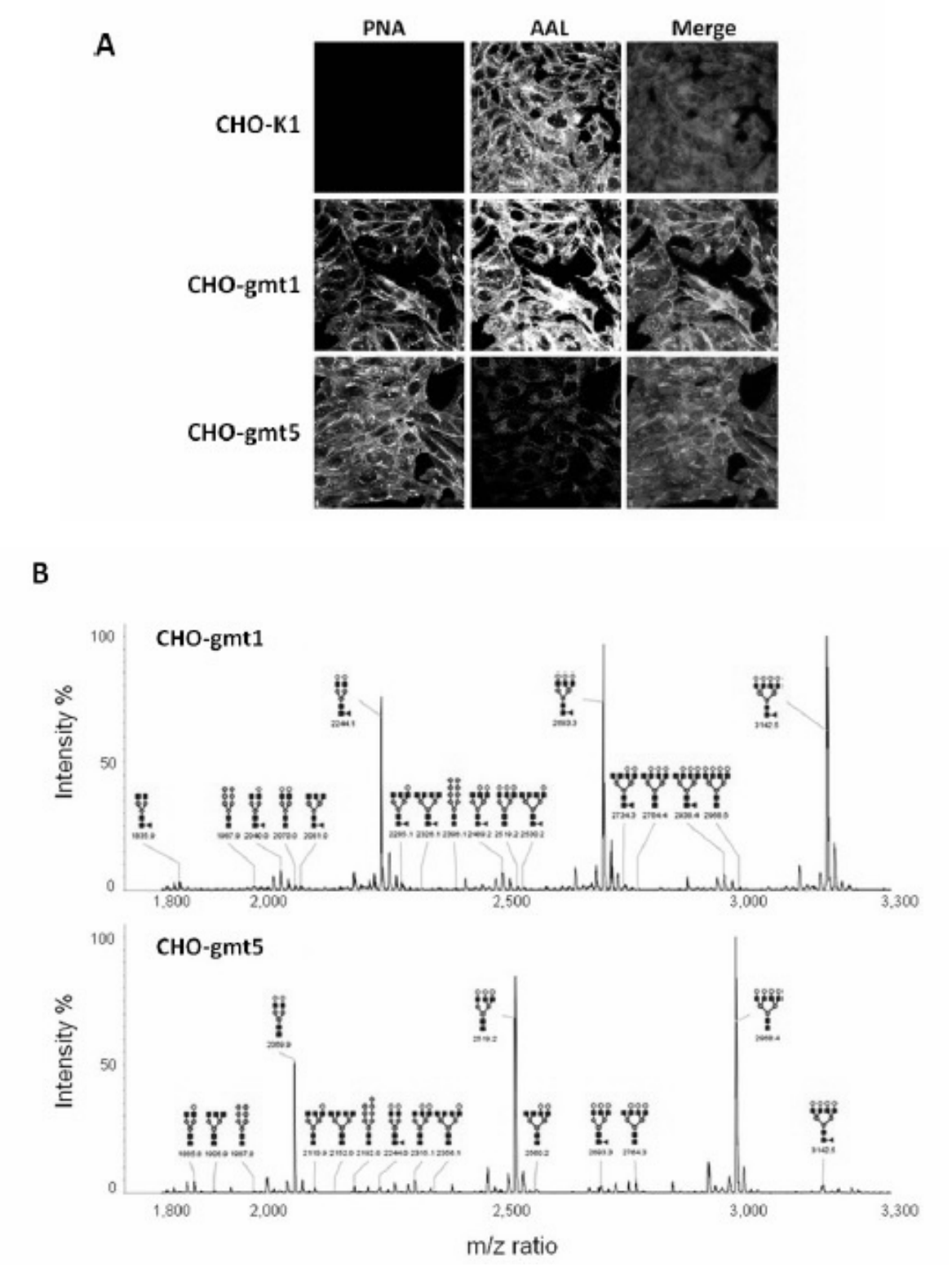

A
PNA
AAL
Merge
CHO-K1
CHO-gmt1
CHO-gmt5
B
CHO-gmt1
Intensity %
100
50
0
1,800
2,000
2,500
3,000
3,300
CHO-gmt5
Intensity %
m/z ratio

Figure 6

FIGURE 10

