Leap-In & miFuc

Generating hypofucosylated antibodies

ATUM

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miCHO™
mAb1 Pools

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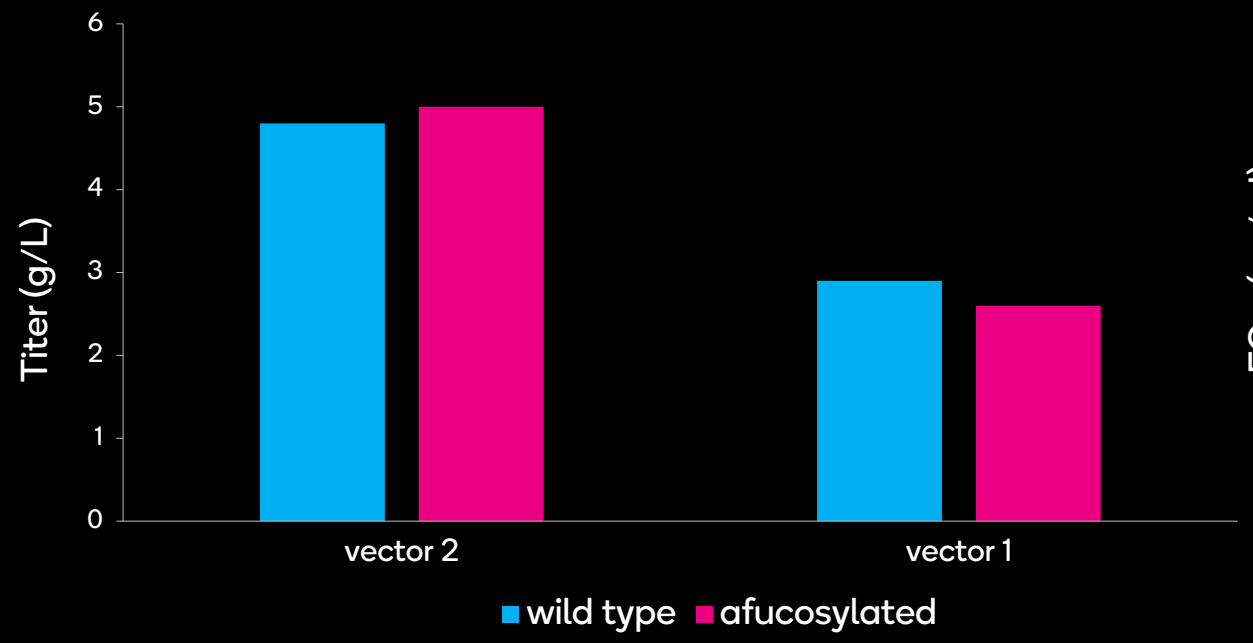
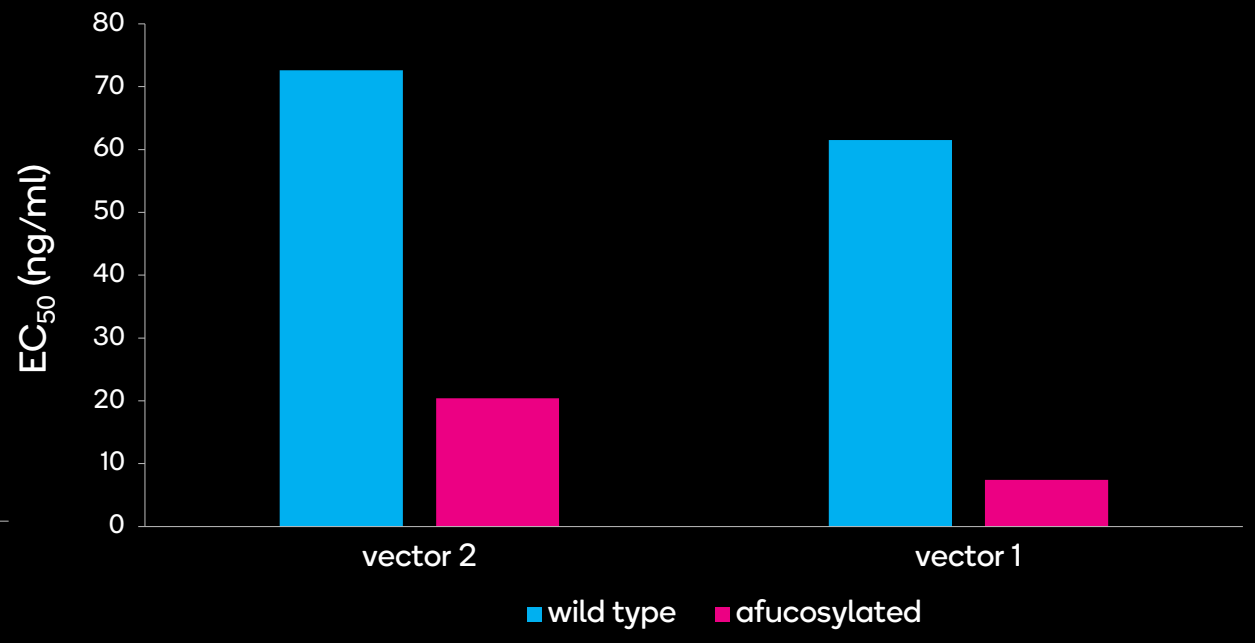
Octet & ADCC – mAb1 pools

Titer



Cellular ADCC*



** CD16 Mediated NFAT Signaling Assay (Pseudo ADCC)*

No impact on productivity.

5-7- fold improvement in ADCC signaling

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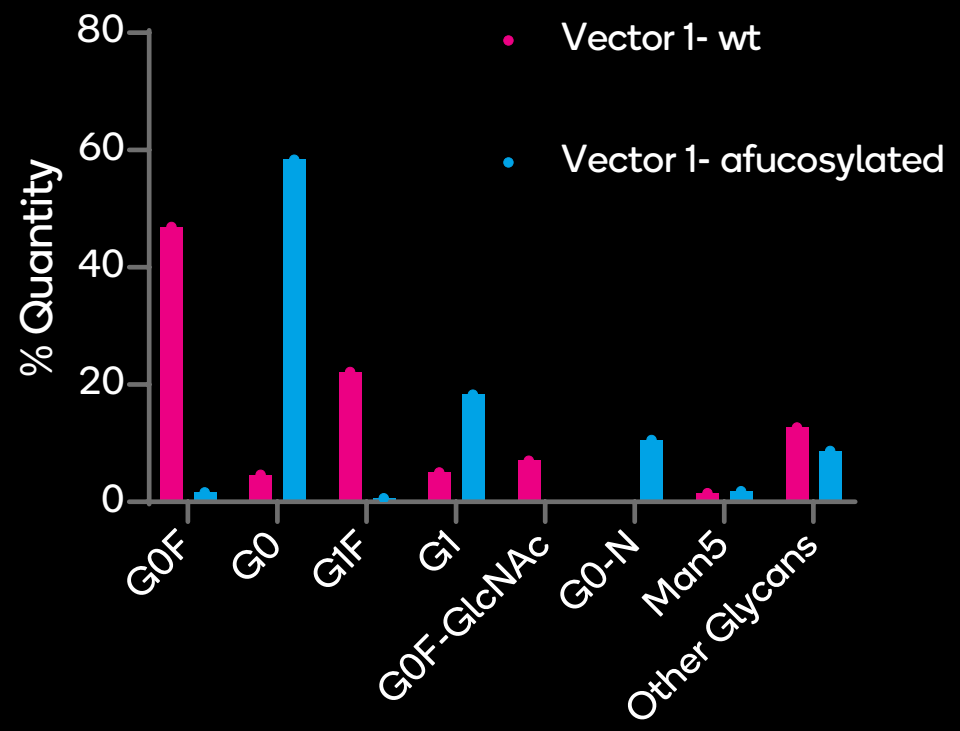
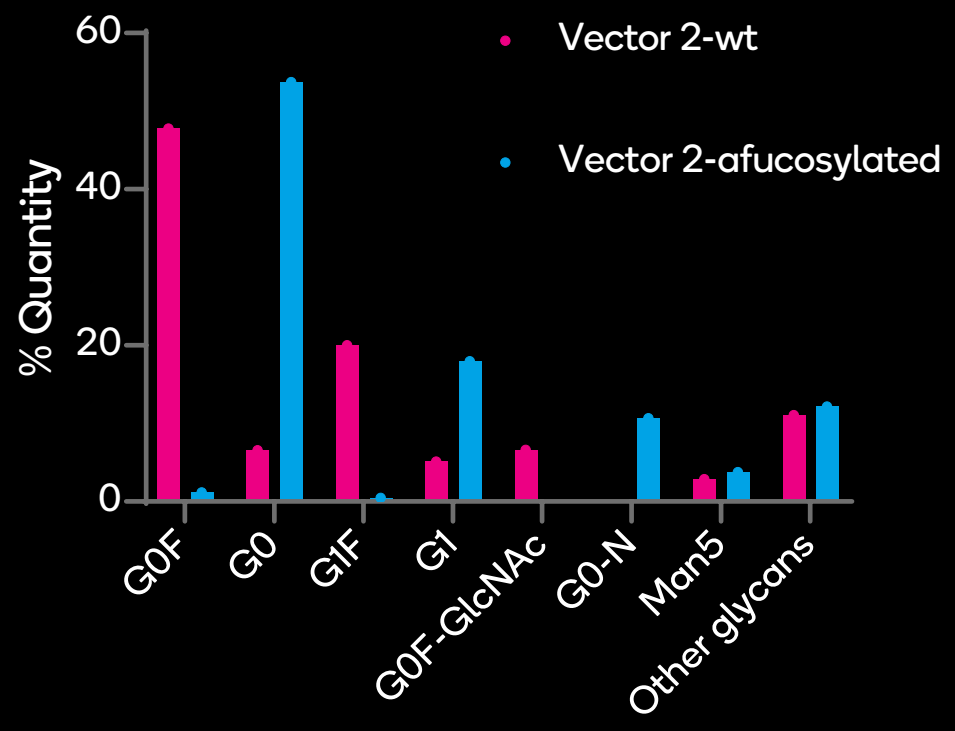
mAb1 - Glycan analysis in miCHO™ pools





Global N-glycan analysis confirms fucose knockdown

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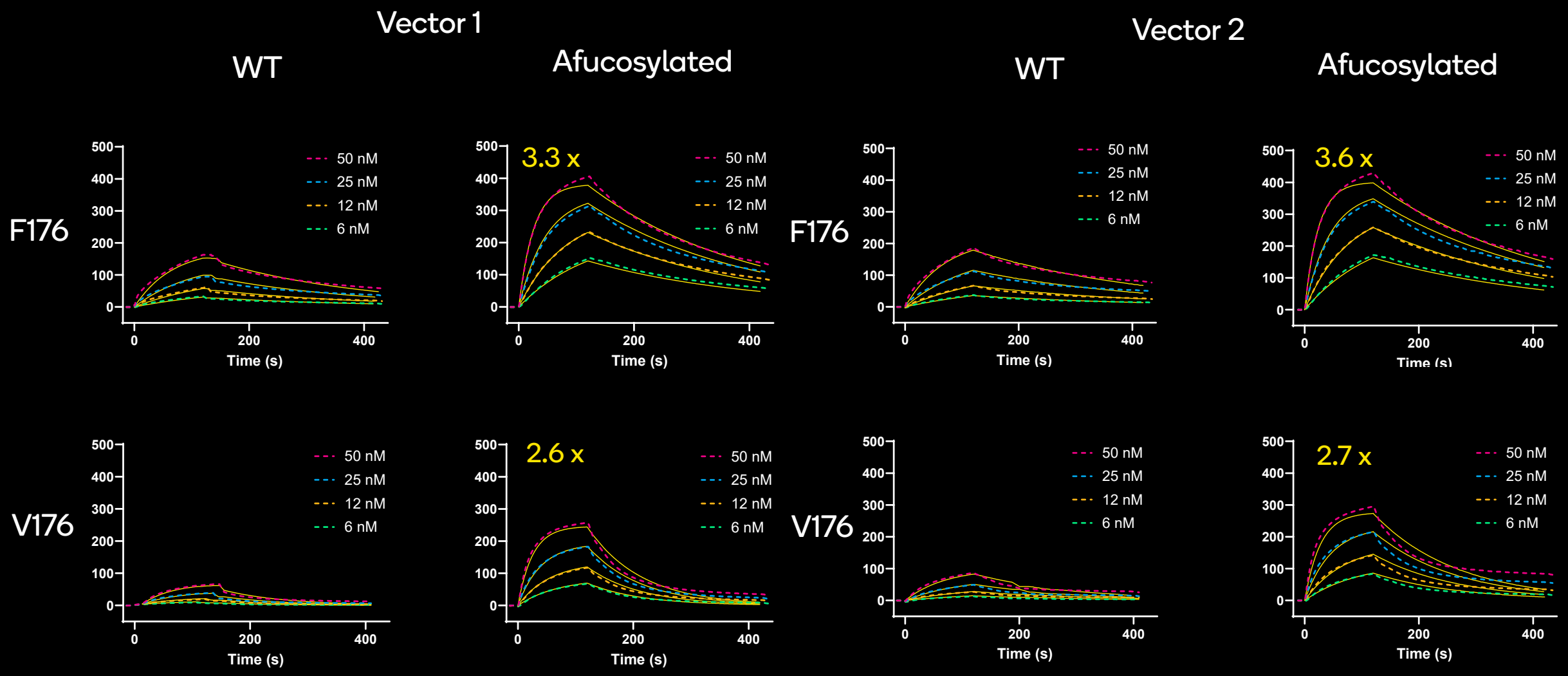
CD16 SPR – mAb1 pools (miCHO™)



Fold improvement in K_D

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miCHO™
mAb2 Pools

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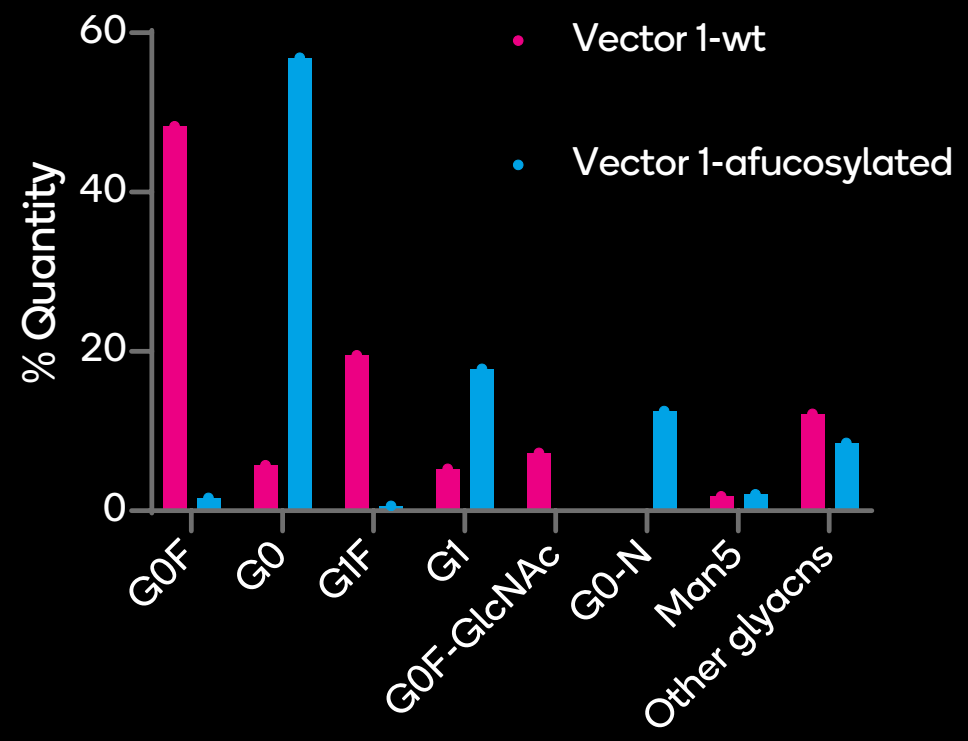
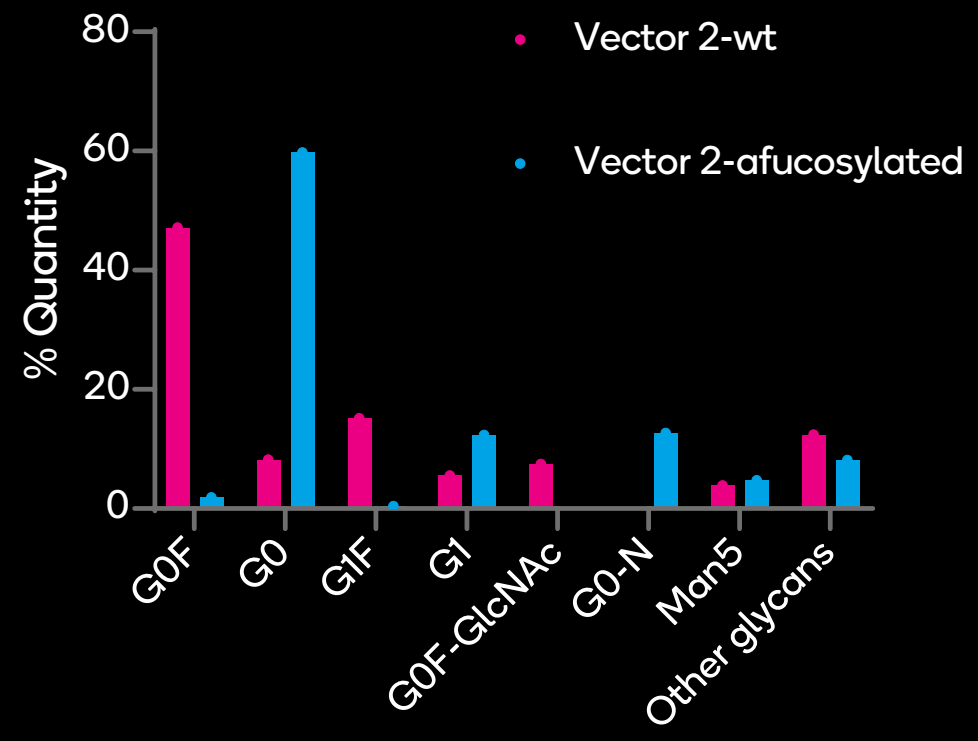
mAb2 - Glycan analysis in miCHO™ pools





Global N-glycan analysis confirms fucose knockdown

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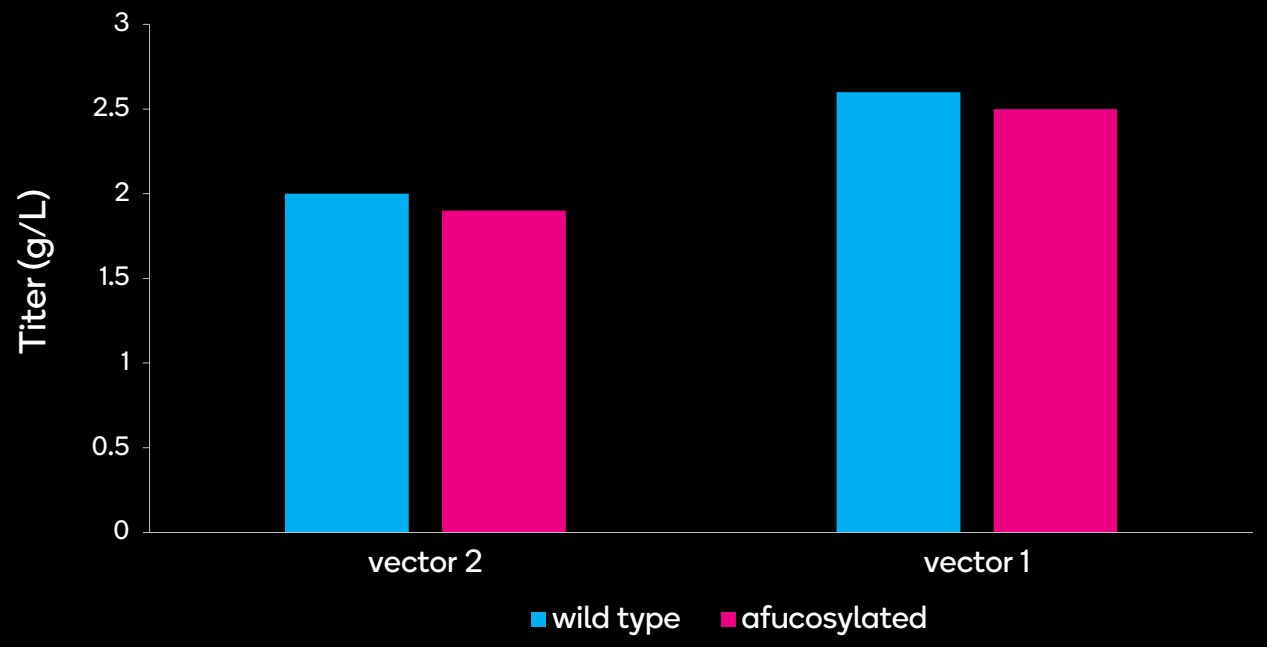
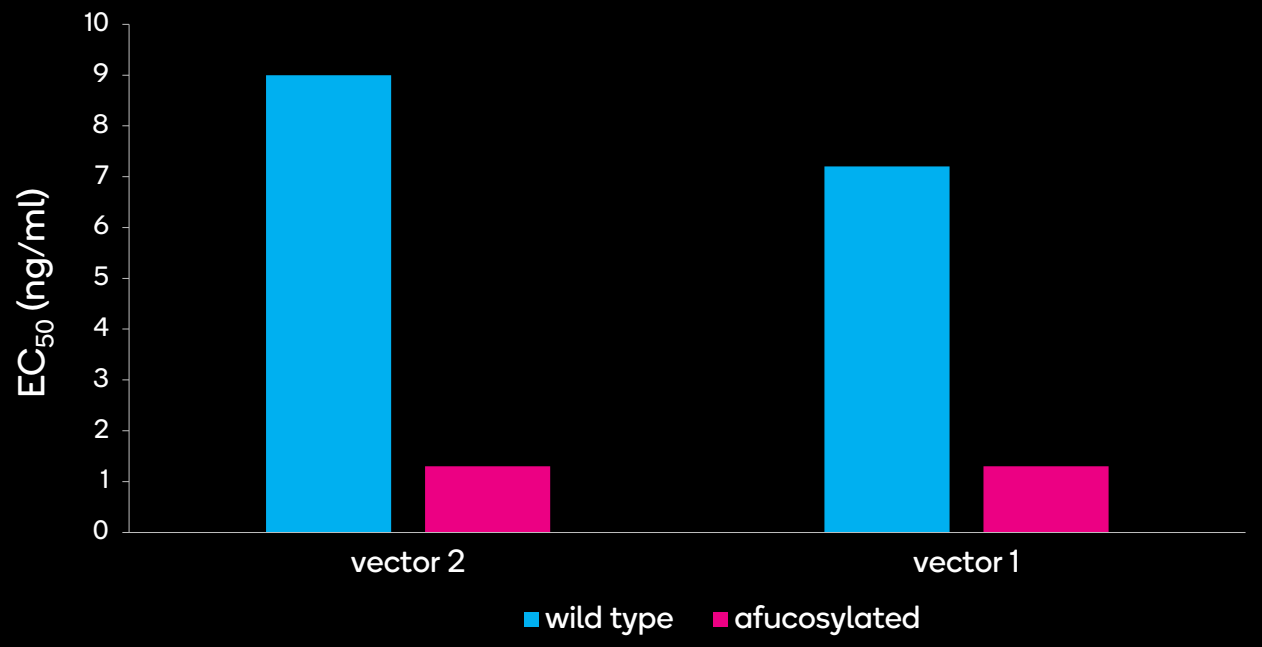
Octer & ADCC – mAb2 pools

Titer



Cellular ADCC*



** CD16 Mediated NFAT Signaling Assay (Pseudo ADCC)*

No impact on productivity.

7-9- fold improvement in ADCC signaling

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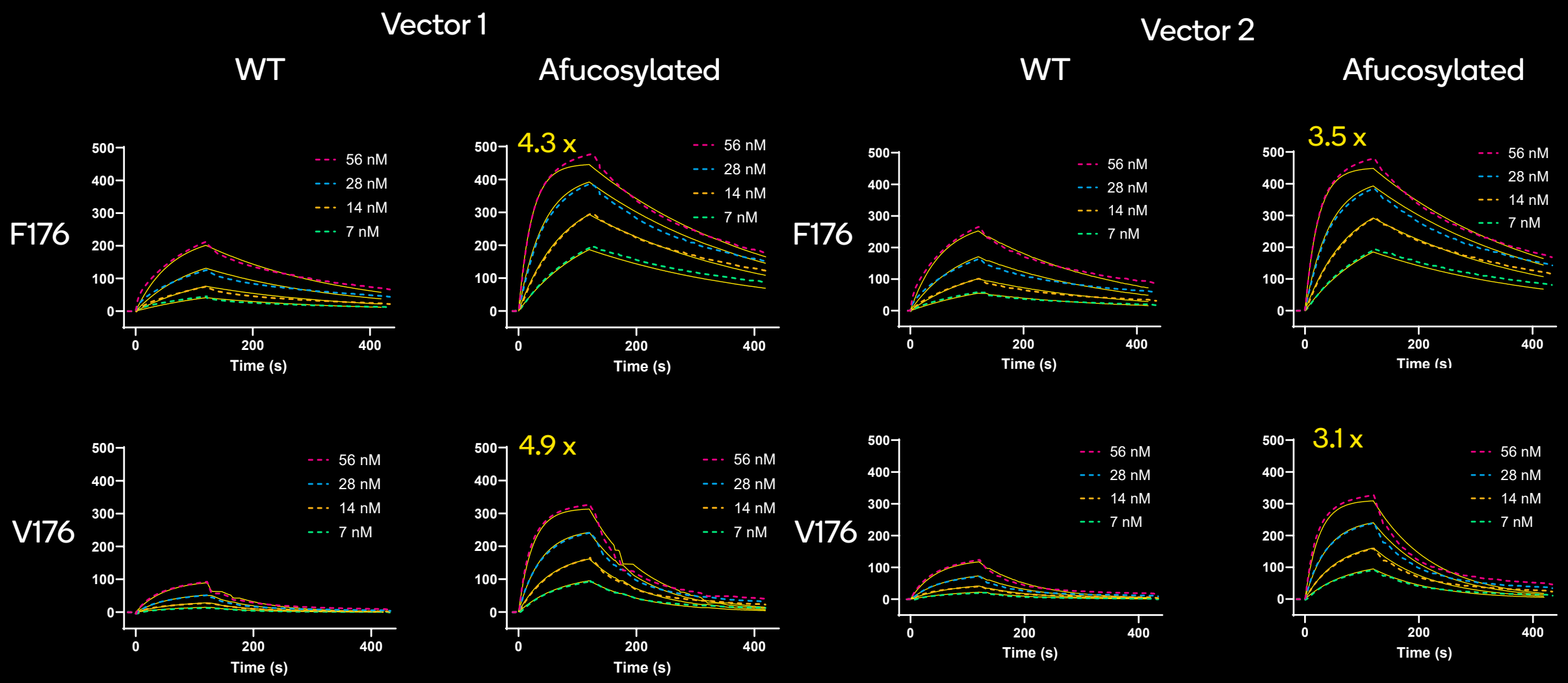
CD16 SPR – mAb pools (miCHO™)



Fold improvement in K_D

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Pools to clones
Viability and Stability
mAb1

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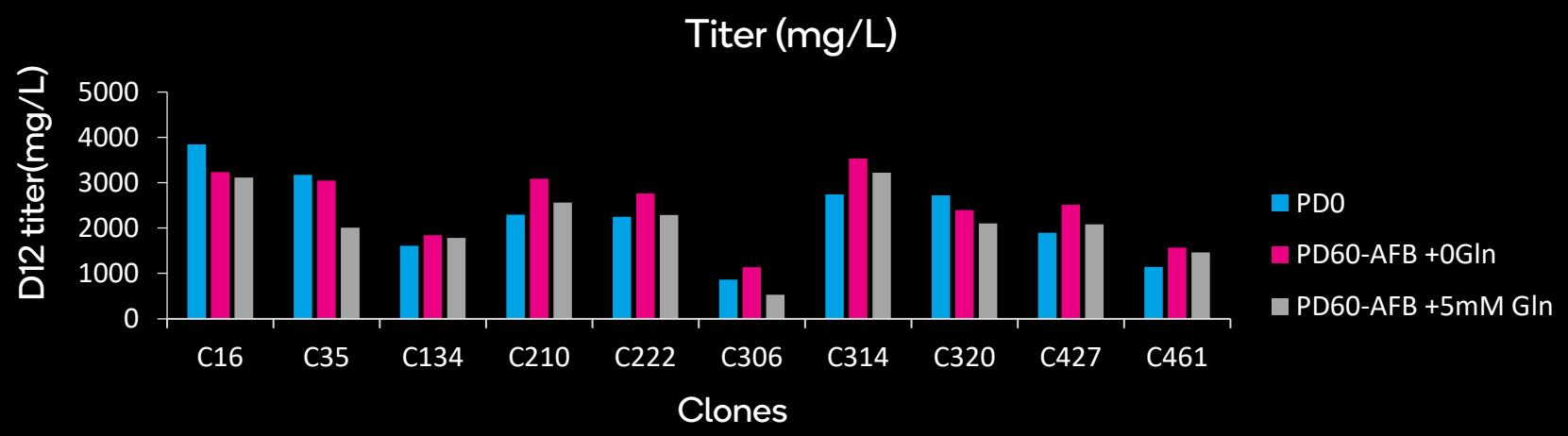
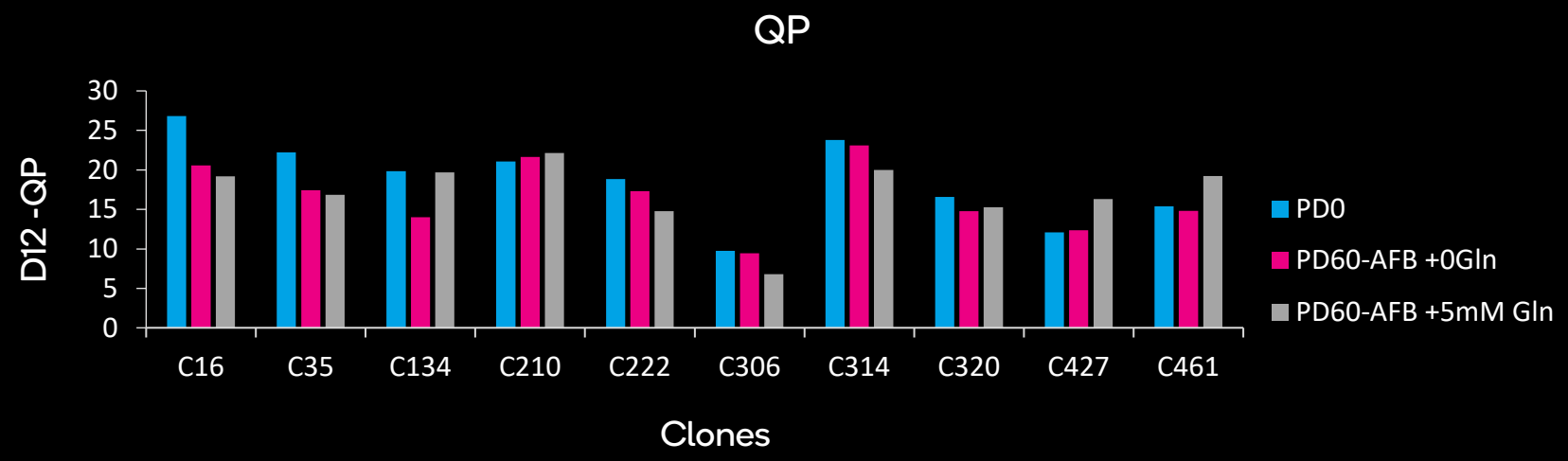
mAb1 – PD60 stability
(HDBIOP3)





All clones are stable based on titer and specific productivity

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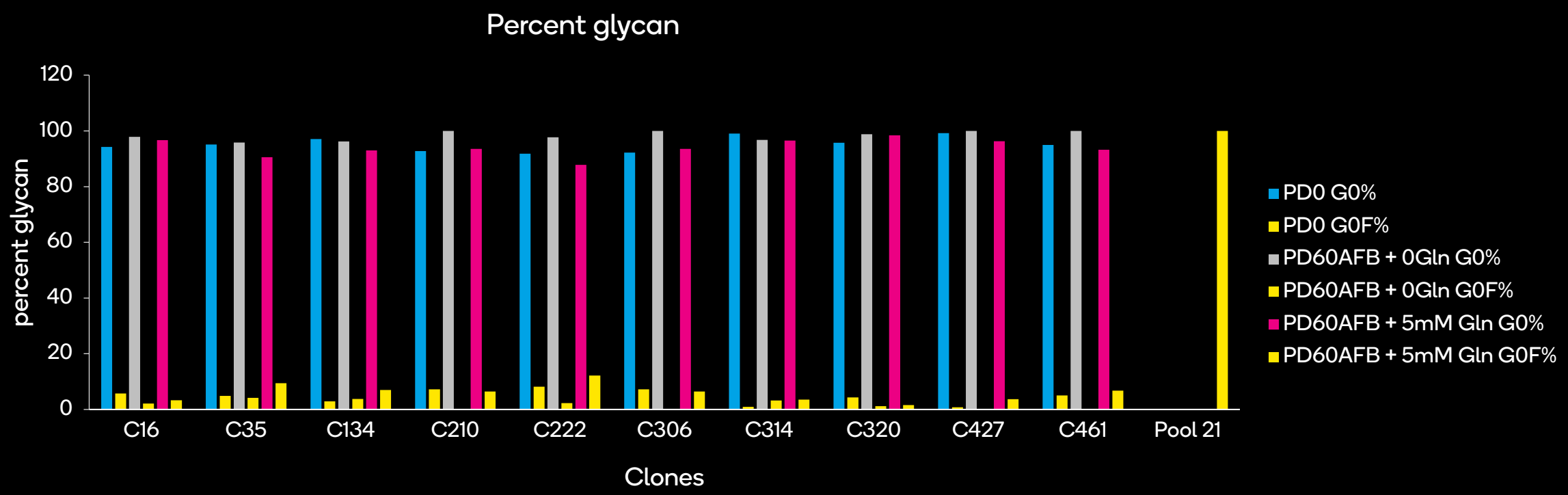
mAb1 – PD60 stability- Afucosylation
(HDBIOP3)



All clones are stable based on glycosylation profile

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