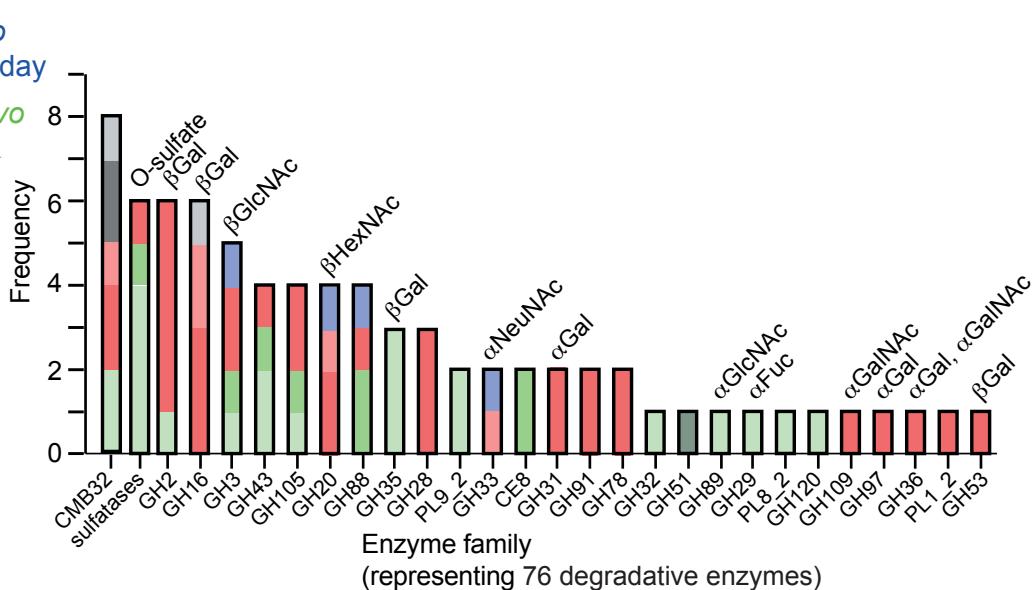
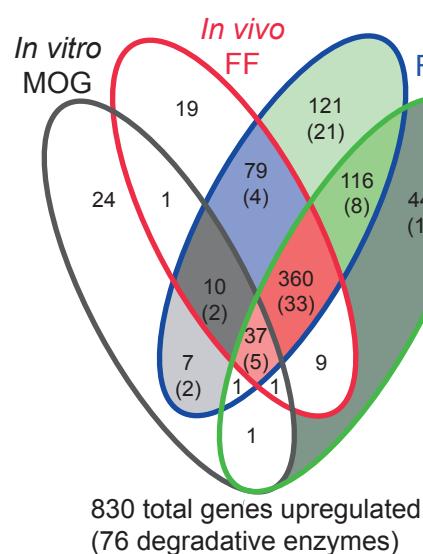
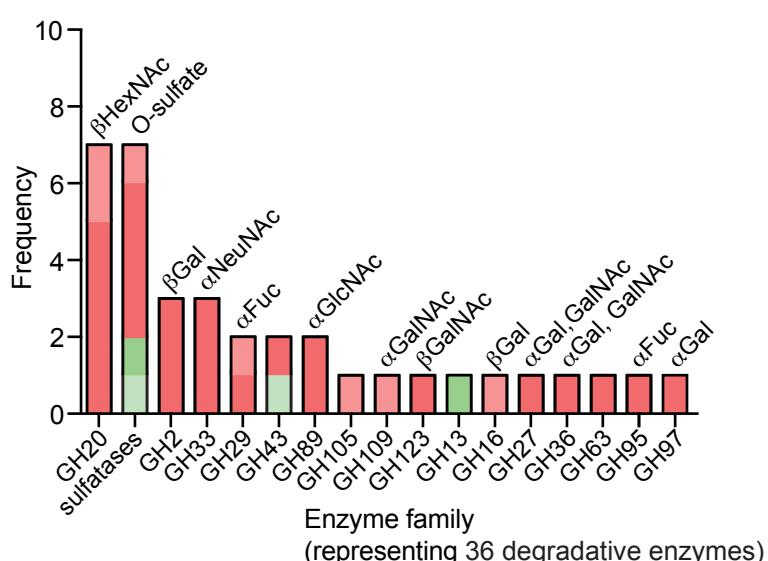
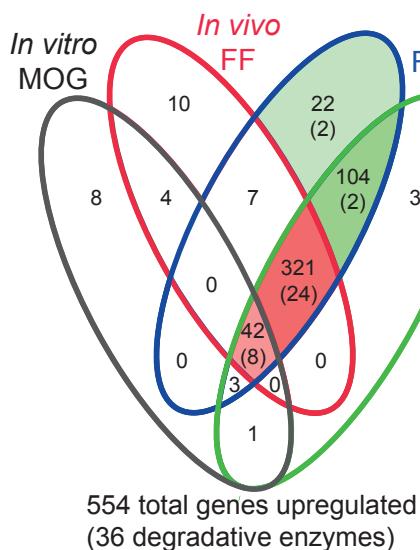


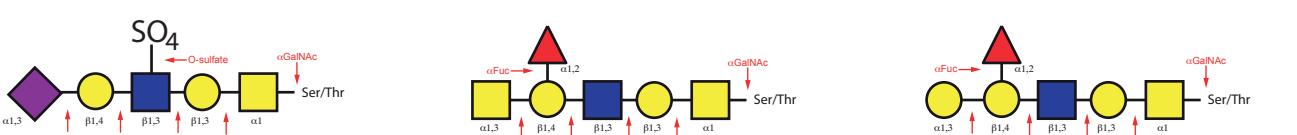
### A *B. cacciae*



### B *A. muciniphila*



### C



#### Key:

<span style="background-color: blue;">█</span> N-acetyl glucosamine	<span style="background-color: yellow;">█</span> Galactose	<span style="background-color: yellow;">█</span> N-acetyl galactosamine	<span style="background-color: red;">△</span> Fucose	<span style="background-color: purple;">◆</span> N- acetyl neuraminiac acid
---	--	---	--	---

Figure S4