

Supplementary Table 1: Improved performance of the ‘high field’ Orbitrap analyzer. The values indicate the average per LC-MS/MS run for each one of the replicates.

Replicate	Mass analyzer	Resolution	MS	MS/MS	Number of isotope clusters	Average absolute mass deviation (ppm)
1	Orbitrap (D30)	MS-30,000 MS/MS-7,500	6,066	26,373	120,490	0.669
2	High Field Orbitrap (D20)	MS-60,000 MS/MS-15,000	7,958	37,627	267,465	0.482
3	High Field Orbitrap (D20)	MS-60,000 MS/MS-7,500	7,232	32,608	336,481	0.430