

Compound	Abbrev	MRM transitions	Collision energy (eV)	Cone Voltage (V)
25-hydroxyvitamin D3	25OHD3	558.3> 280.5	22	26
		558.3> 298.1	14	26
24,25-dihydroxyvitamin D3	24,25(OH) <sub>2</sub> D3	574.3> 175.3	20	22
		574.3> 257.3	16	26
		574.3> 298.1	20	26
25-dihydroxyvitamin D3-d3	25OHD3-d3	561.4> 283.1	23	24
		561.4> 301.3	15	24

**Supplementary Table 1. Parameters for mass spectrometry analysis of vitamin D metabolites.** Multiple-Reaction Monitoring (MRM) transitions for 4-phenyl-1,2,4-triazoline-3,5-dione (PTAD)-derivatized vitamin D metabolites. Summary of the vitamin D metabolite compounds quantified, their abbreviated term, MRM transitions, collision energy (electronvolt [eV]) and cone voltage (V) .