1000x δ^{13}C$_{VPDB\ Normalization}$

	Standards used (SD in parentheses)				
sequence	acetanilide	keratin	N	Normalization equation	drift correction
1	-29.93 (0.08)	-23.74 (0.08)	8,9	0.96x-37.93	-0.003 per mil/hr
2	-29.93 (0.08)	-23.75 (0.06)	8,9	0.95x-37.84	none
3	-29.92 (0.17)	-23.74 (0.09)	7,7	0.96x-38.04	0.09 per mil/hr
4	-29.92 (0.14)	-23.74 (0.10)	4,4	0.98x-38.26	none

1000x δ^{15}N$_{AIR\ Normalization\ ii}$

	Standards used (SD in parentheses)				
sequence	acetanilide	keratin	N	Normalization equation	drift correction
1	0.05 (0.21)	6.05 (0.12)	7,8	1.01x -0.62	0.009 per mil/hr
2	0.12 (0.24)	6.00 (0.08)	8,9	1x -0.60	0.023 per mil/hr
3	0.18 (0.26)	5.94 (0.14)	6,6	1.0x -0.25	-0.004 per mil/hr
4	0.06 (0.20)	6.06 (0.11)	4,3	1.03x -0.40	none

Lab QC check, B2155 Casein				
	1000x δ^{13}C$_{VPDB}$		1000x δ^{15}N$_{AIR}$	
	observed	actual	observed	actual
1	-27.02	-26.98	6.08	5.9
1	-27.07		5.87	
1	-26.94		5.98	
2	-26.93		6.11	
2	-26.97		5.81	
2	-26.95		6.16	
3	-26.92		6.02	
3	-27.06		5.88	
3	-26.91		6.04	
4	-27.04		6.06	
4	-26.99		5.91	
average	-26.98		5.99	
SD	0.06		0.11	

This sample was not included in any normalization, but is included in every sequence as a check of the normalization.

C% and N% was calculated using acetanilide