

Standards used (SD in parentheses)					
sequence	acetanilide	keratin	N	Normalization equation	drift correction
1	-29.93 (0.07)	-23.75 (0.09)	8,8	0.95x-37.74	-0.010 per mil/hr
2	-29.93 (0.06)	-23.75 (0.09)	4,3	0.96x-37.82	0.009 per mil/hr
3	-29.93 (0.04)	-23.75 (0.10)	7,8	0.95x-37.73	0.009 per mil/hr

1000x $\delta^{13}C_{VPDB}$ Normalization

Standards used (SD in parentheses)					
sequence	acetanilide	keratin	N	Normalization equation	drift correction
1	0.06 (0.09)	6.06 (0.08)	8,8	0.995x -0.45	-0.009 per mil/hr
2	0.06 (0.04)	6.06 (0.06)	4,4	1.01x -0.86	0.029 per mil/hr
3	0.06 (0.09)	6.06 (0.09)	7,8	1.016x -0.83	0.011 per mil/hr

1000x $\delta^{15}N_{AIR}$ Normalization

Lab QC check, B2155 Casein				
	1000x $\delta^{13}C_{VPDB}$		1000x $\delta^{15}N_{AIR}$	
	observed	actual	observed	actual
1	-27.03	-26.98	6.21	5.9
1	-26.99		6.27	
1	-26.94		6.01	
2	-26.82		5.93	
2	-26.91		5.92	
3	-27.05		5.94	
3	-26.90		5.99	
3	-27.05		5.85	
average	-26.96		6.02	
SD	0.08		0.15	

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