

Supplementary Materials

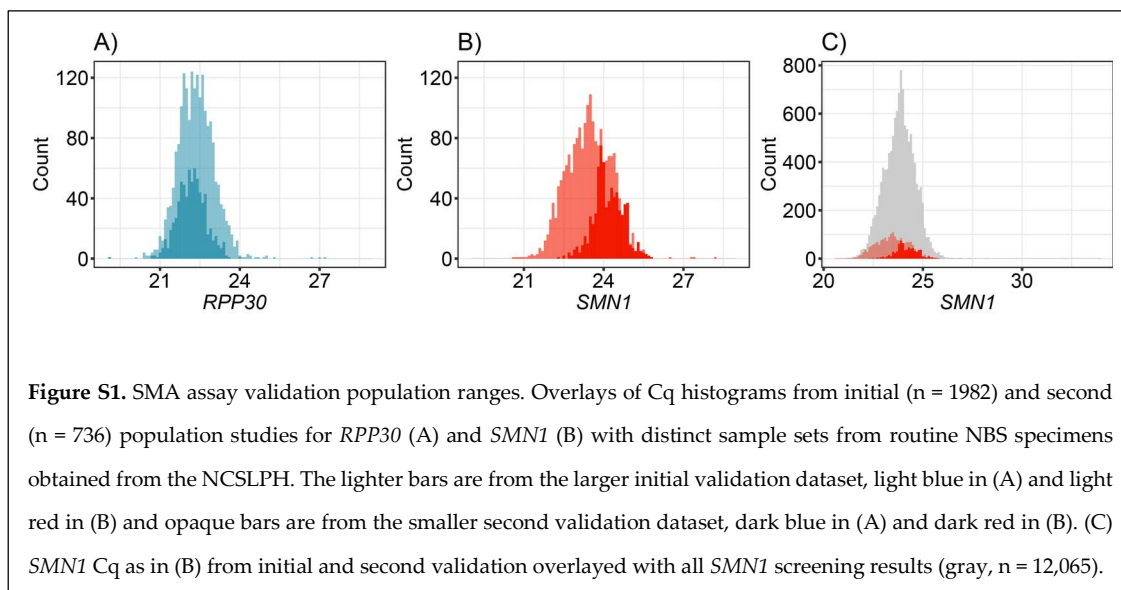


Table S1. Total Precision.

Initial Validation						
Quality Control Type	SMN1 (Cq)			RPP30 (Cq)		
	Mean	SD	%CV	Mean	SD	%CV
Normal	25.48	1.18	4.63	23.84	0.79	3.33
SMA patient (PT7)	No Cq	-	-	21.14	0.69	3.29
SMA Carrier (Car8)	24.64	0.75	3.05	22.37	0.8	3.58
Second Validation						
Quality Control Type	SMN1 (Cq)			RPP30 (Cq)		
	Mean	SD	%CV	Mean	SD	%CV
Normal	25.62	0.42	1.65	23.16	0.4	1.65
SMA patient (PT7)	No Cq	-	-	21.29	0.56	2.64
SMA Carrier (Car8)	24.83	0.53	2.15	22.23	0.46	2.07

Table S2. Reference Range.

Validation	n	SMNI (Cq)					RPP30 (Cq)				
		Mean	SD	Min	Max	99.9%	Mean	SD	Min	Max	99.9%
Initial	1982	23.44	0.84	20.64	28.16	27.31	22.36	0.68	20.15	27.25	26.73
Second	736	24.17	0.56	22.33	25.81	25.74	22.19	0.54	19.14	24.05	23.71

Table S3. Factors affecting time to testing and reporting for babies screened for SMA by EC. (n = 12,065)

Age at sample collection	% total
≤1 day post birth	0.8
1 day post birth	70.3
2 days post birth	25.2
>2 days post birth	3.7
DBS received by the state laboratory	
<3 days post birth	16.8
3 days post birth	38.4
4 days post birth	23.7
5 days post birth	12.7
>5 days post birth	8.4
Results reported by the state laboratory	
<4 days post birth	8.1
4 days post birth	21.1
5 days post birth	23.5
6 days post birth	25.5
7 days post birth	13.2
>7 days post birth	8.5