SMN1 copy number	SMN2 copy number	$\hat{\theta}$	Population frequency (%)	D	D'	r	$\frac{D'}{r} = \hat{\pi'}$	Posterior Likelihood $P(\pi \leq 1/3 | D', r)$ Conclusion
1	0	0.25	< 1	100	25	100	0.25	Likely carrier
1	1	0.50	< 1	100	50	200	0.25	Likely carrier
2	0	0.50	5 − 6	200	100	200	0.50	Unlikely carrier
1	2	0.75	1 − 2	100	75	300	0.25	Likely carrier
2	1	0.75	30 − 40	200	150	300	0.50	Unlikely carrier
1	3	1.00	< 1	100	100	400	0.25	Likely carrier
2	2	1.00	45 − 50	200	200	400	0.50	Unlikely carrier
3	1	1.00	5	300	300	400	0.75	Unlikely carrier
4	0	1.00	< 1	400	400	400	1.00	Unlikely carrier
1	4	1.00	< 1	100	100	500	0.20	Likely carrier
2	3	1.00	1 − 3	200	200	500	0.40	Likely/unlikely carrier
3	2	1.00	1 − 2	300	300	500	0.60	Unlikely carrier
4	1	1.00	< 1	400	400	500	0.80	Unlikely carrier