

FIG. 1

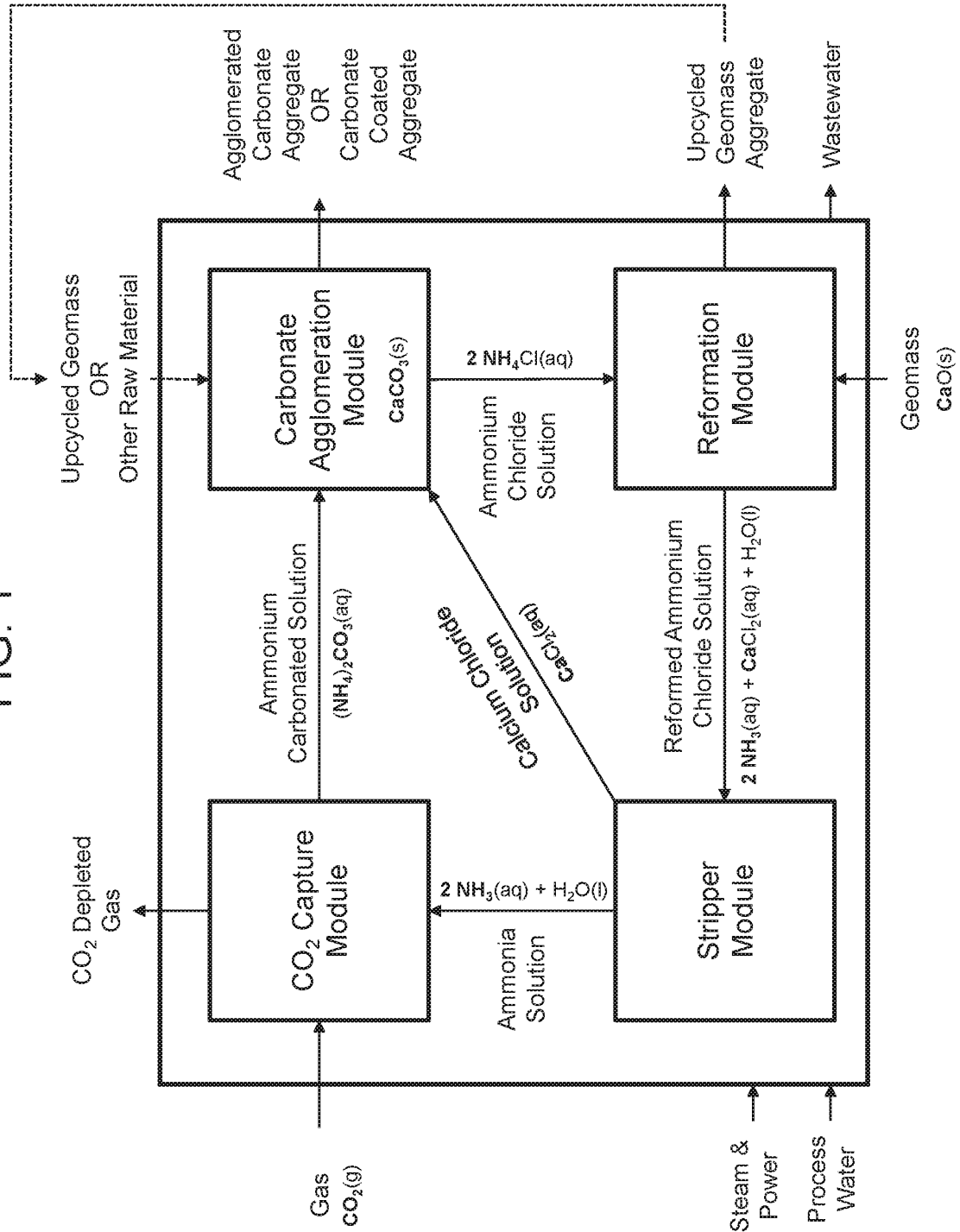
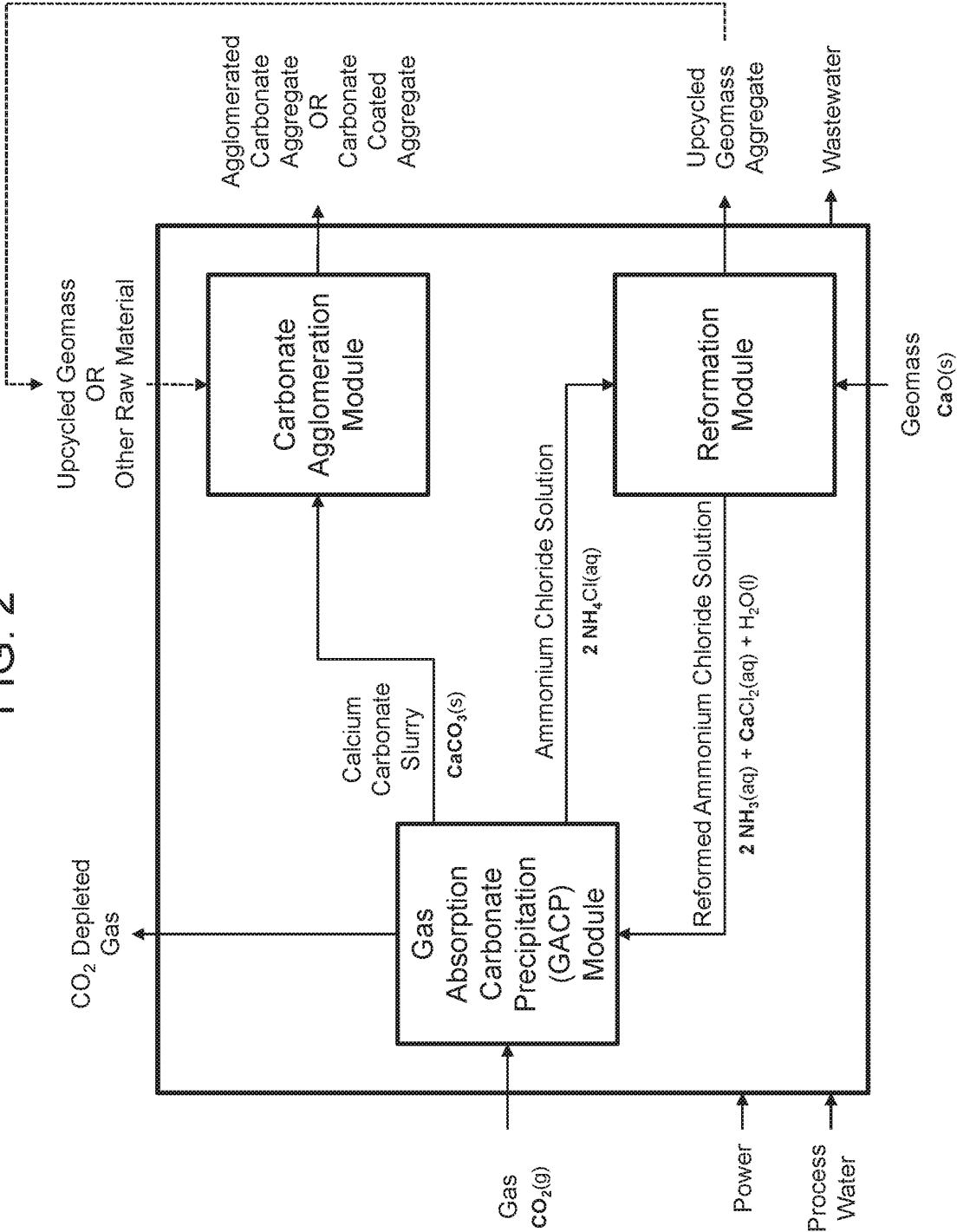
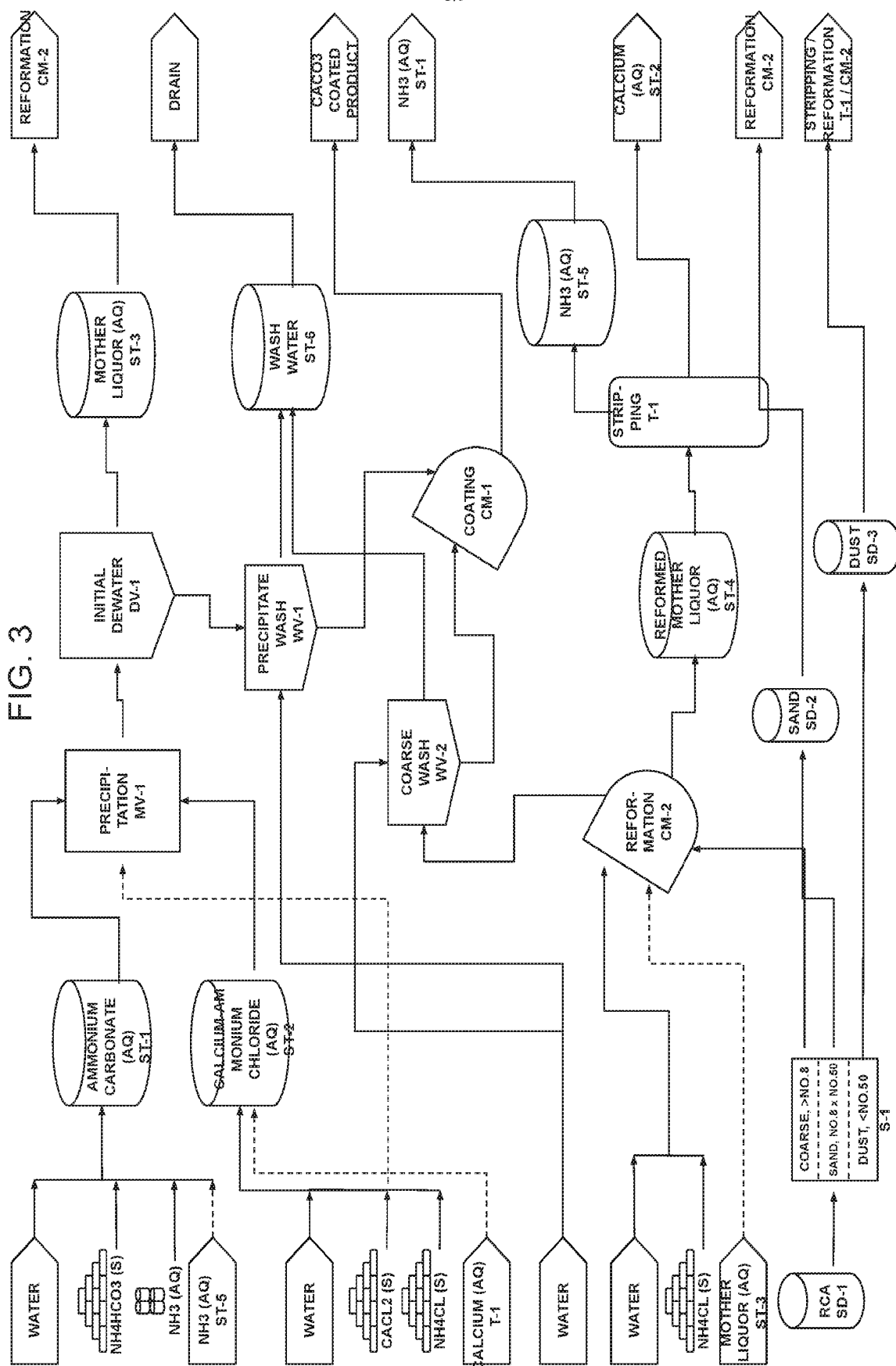


FIG. 2



3
6
11
14



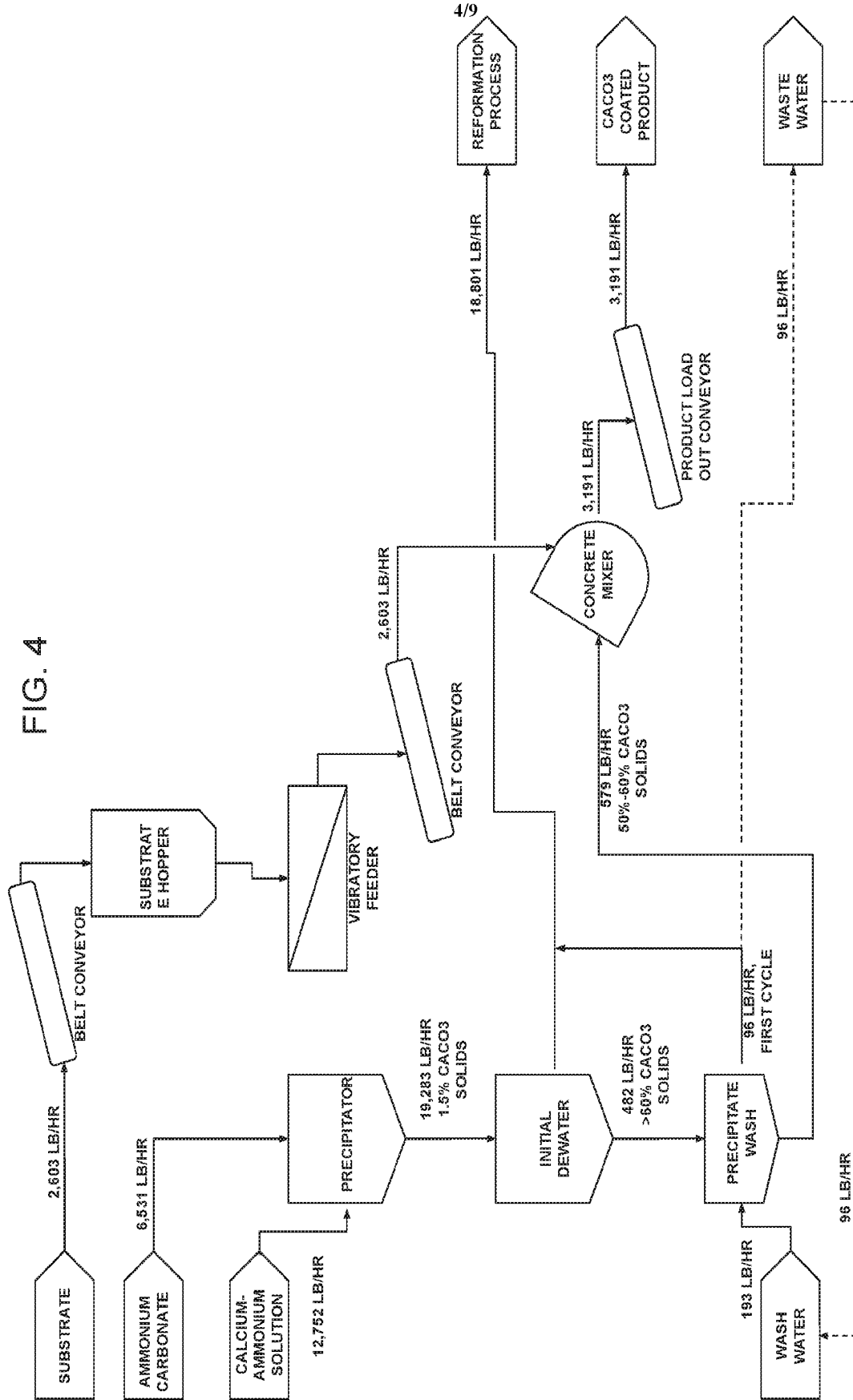


FIG. 5

Sample No.	1	2	3	4	5	6	7	8	wt% CaCO ₃ coating
Coating	0%	23%	32%	34%	36%	45%	54%	60%	
Gradation After Coating	n/a (Substrate)	1/2" x No.50	1/2" x No.100	3/4" x No.16	No.4 x No.100	3/8" x No. 30	1/2" x No.8	3/4" x No.16	
1"	100%	100%	100%	100%	100%	100%	100%	100%	% Passing
3/4"	100%	100%	100%	99%	100%	100%	100%	99%	% Passing
1/2"	100%	98%	98%	99%	100%	100%	92%	99%	% Passing
3/8"	100%	94%	96%	93%	100%	98%	68%	93%	% Passing
No. 4	82%	50%	73%	37%	73%	29%	3%	37%	% Passing
No. 8	65%	18%	55%	1%	13%	3%	0%	1%	% Passing
No. 16	45%	3%	30%	0%	6%	1%	0%	0%	% Passing
No. 30	22%	1%	14%	0%	3%	0%	0%	0%	% Passing
No. 50	6%	0%	4%	0%	1%	0%	0%	0%	% Passing
No. 100	0%	0%	0%	0%	0%	0%	0%	0%	% Passing
Pan	0%	0%	0%	0%	0%	0%	0%	0%	% Passing
Gradation Tested	No.4 x No.100	1/2" x No.50	No.8 x No.100	3/4" x No.8	No.8 x No.100	3/8" x No. 8	1/2" x No.8	3/4" x No.8	
Absorption	6.3%	13%	8.7%	16%	14%	17%	15%	15%	% Absorption
Bulk SSD	2.38	2.3	2.27	2.53	2.17	2.56	2.51	2.33	

FIG. 6

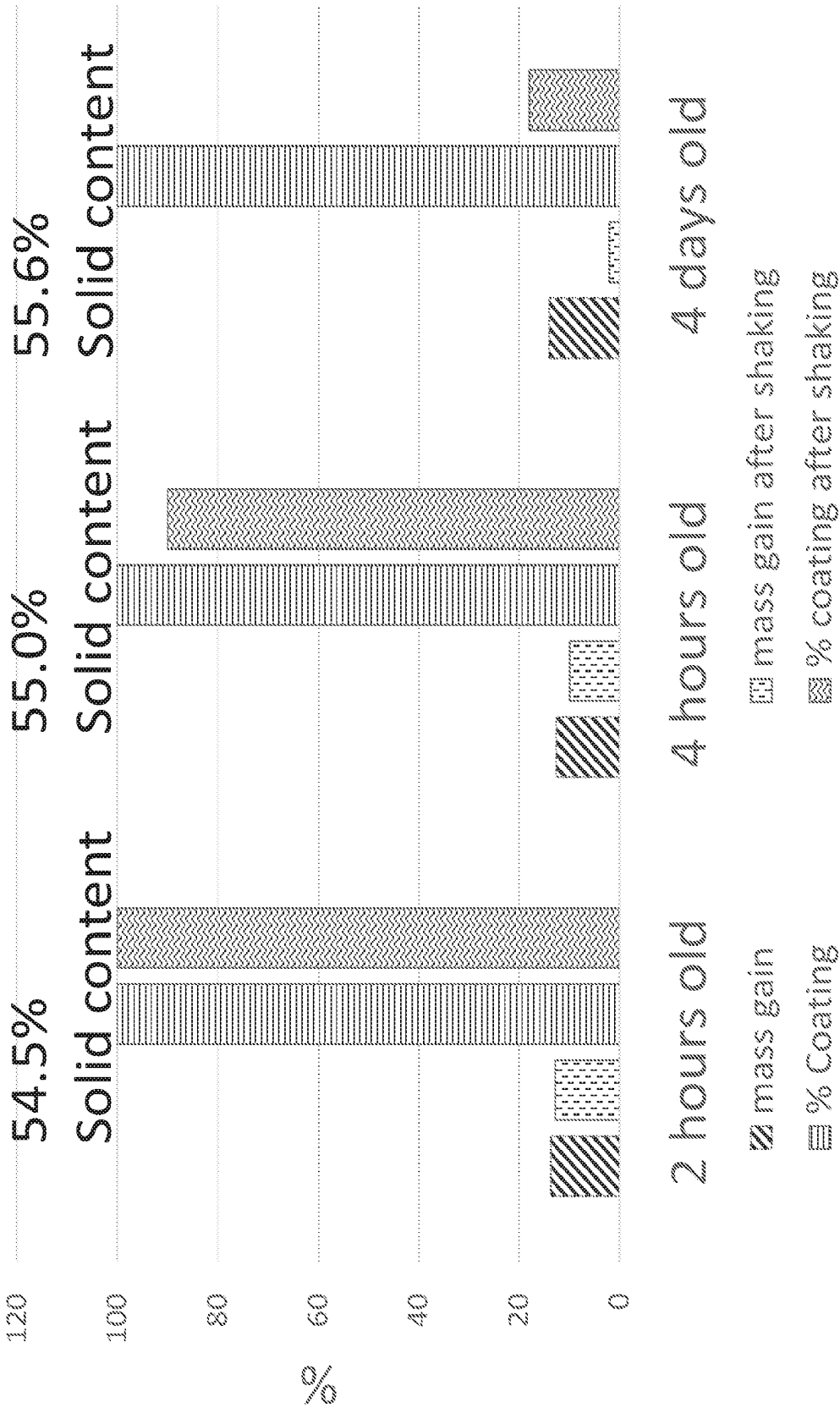


FIG. 7

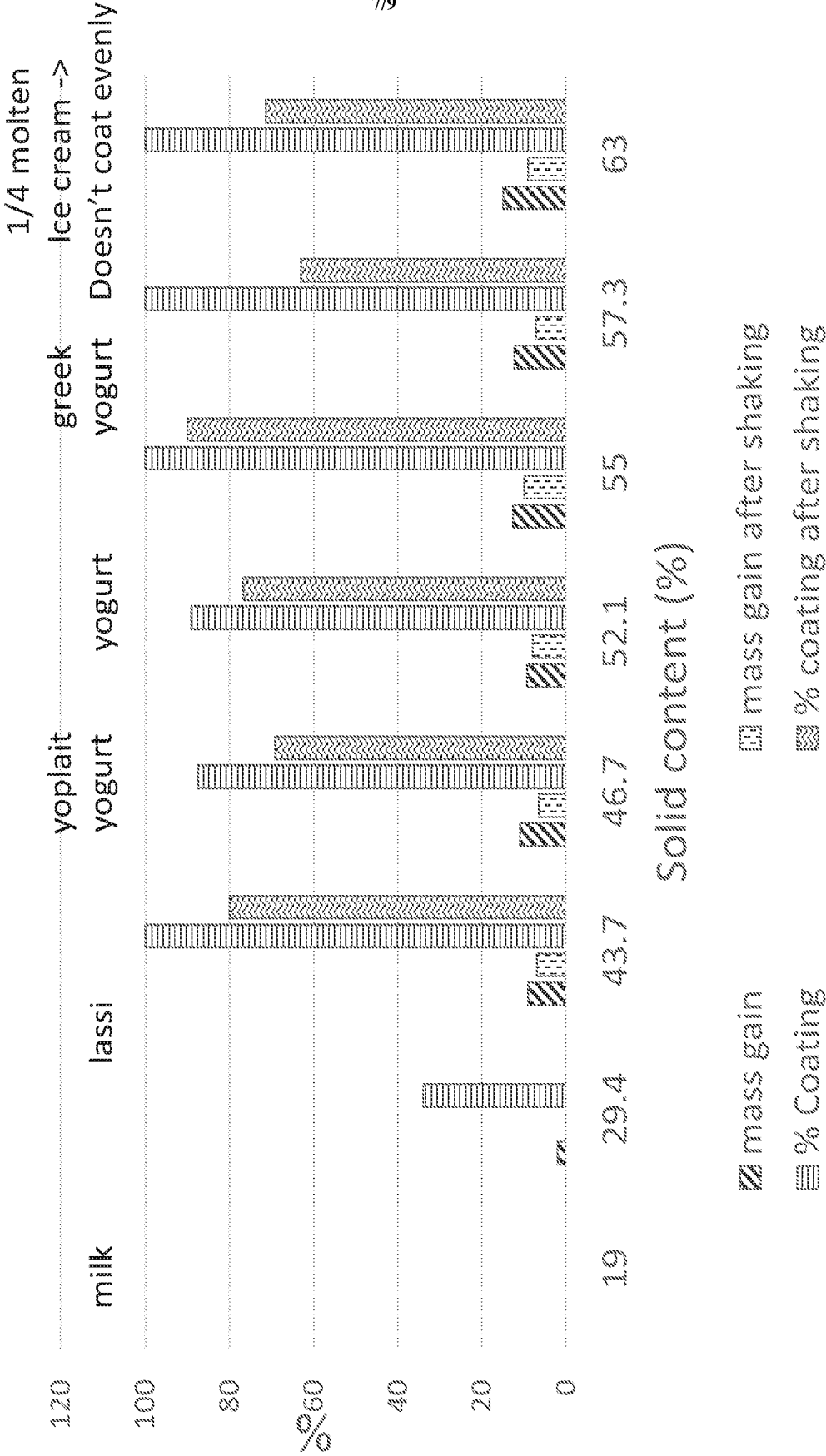


FIG. 8

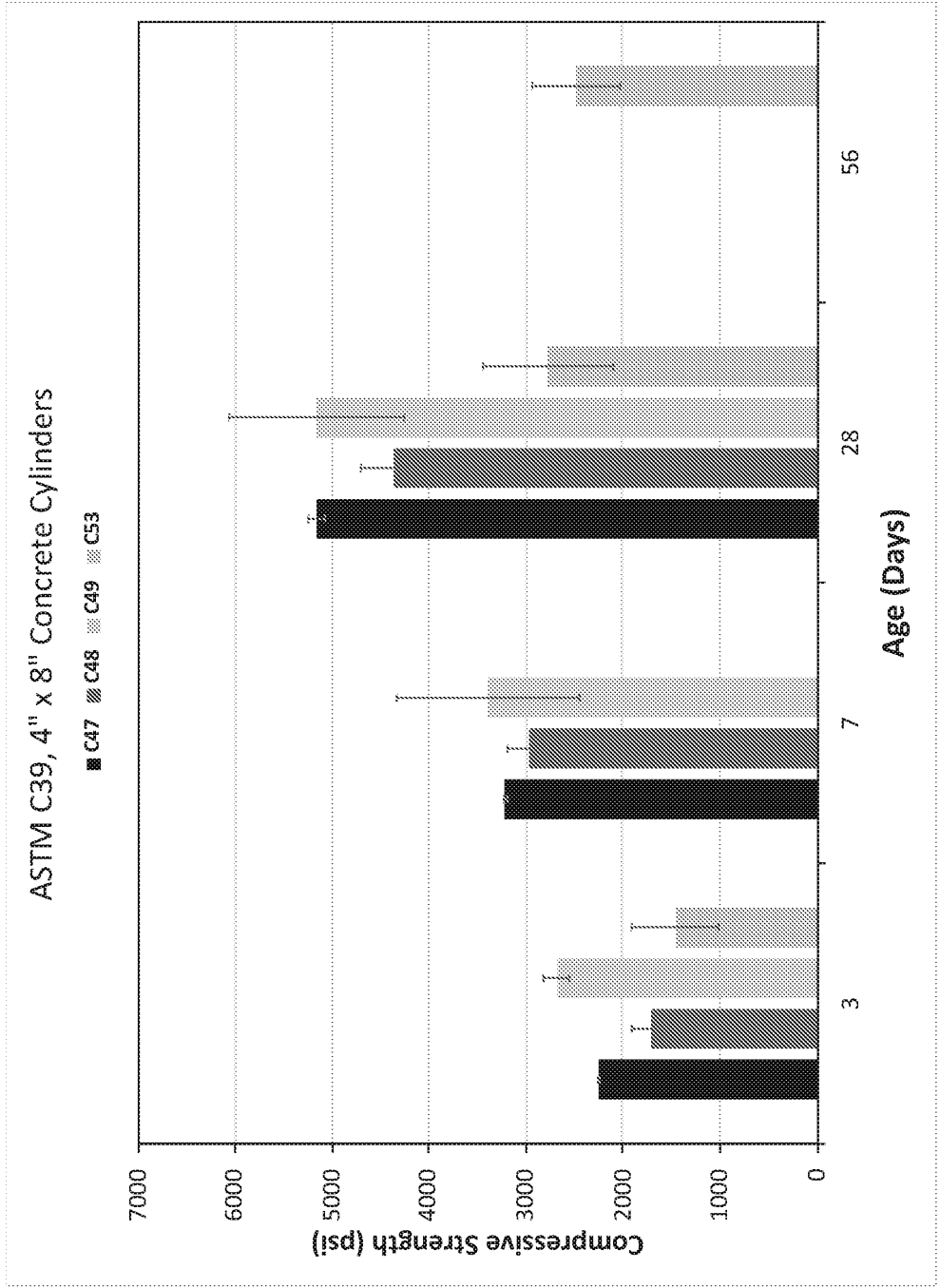


FIG. 9

