

**Supplementary Table 3.** Clinical Presentation of Newborn Patients

ID	Gender	Gestational age at birth (wk+day)	Birth weight (g)	Clinical descriptions
D01	Male	39+4	3790	Newborn sick baby
D02	Female	30+4	1390	VLBW, Prematurity, Patau syndrome
D03	Male	30+0	840	ELBW, Prematurity, meconium plug syndrome, cardiomegaly
D04	Male	40+0	2890	Newborn sick baby
D05	Male	31+1	1150	VLBW, Prematurity, Edward syndrome, gastroschisis
D06	Male	33+6	1900	LBW, Prematurity, IUGR
D07	Male	32+5	1800	LBW, Prematurity, Esophageal atresia with distal tracheoesophageal fistula (Gross type C), imperforate anus
D08	Male	29+4	1030	VLBW, Prematurity, moderate BPD, cerebellar hemorrhage
D09	Male	35+2	1900	LBW, Prematurity, Chronic renal failure (Left renal agenesis, Right hydronephrosis)
D10	Male	23+6	610	ELBW, Prematurity, Hydrocephalus, Intraventricular hemorrhage, ileostomy
D11	Male	36+5	2570	Prematurity, VACTERL
D12	Male	34+5	2240	LBW, Prematurity, cri-du-chat
D13	Female	24+6	680	ELBW, Prematurity, severe BPD
D14	Female	40+3	3470	Hypotonia, kabuki syndrome
D15	Female	39+2	3660	Meningomyelocele
D16	Male	35+2	2570	Prematurity, Omphalocele
D17	Male	26+6	810	ELBW, Prematurity, meconium peritonitis, bowel perforation, severe BPD
D18	Male	30+3	1670	LBW, Prematurity, Ventriculomegaly
D19	Male	30+3	1630	LBW, Prematurity, Congenital diaphragmatic hernia
D20	Female	36+1	2600	Prematurity, OEIS (omphalocele, exstrophy, imperforate anus, and spinal defects) complex, cloacal exstrophy, Imperforate anus
D21	Female	40+4	3400	Newborn sick baby, Respiratory difficulty
D22	Male	37+6	3500	Persistent pulmonary hypertension of the newborn
D23	Female	27+1	950	ELBW, Prematurity, severe BPD
D24	Female	39+3	3500	Imperforate anus
D25	Male	38+3	2550	Biliary atresia
D26	Female	40+0	3050	VACTER, Imperforate anus
D27	Male	33+6	2140	LBW, Prematurity
D28	Female	25+4	670	ELBW, Prematurity, severe BPD
D29	Female	36+5	1880	LBW, Prematurity, Currarino syndrome
D30	Male	29+0	850	ELBW, Prematurity, ambiguous genitalia, cardiomegaly, mild BPD
D31	Female	29+5	620	ELBW, Prematurity, severe BPD
D32	Male	28+2	690	ELBW, Prematurity severe BPD
D33	Female	37+0	1970	LBW, IUGR, CMV infection
D34	Male	31+2	1930	LBW, Prematurity pneumonia
D35	Male	40+0	3000	Vomiting, Sepsis, pneumomediastinum
D36	Female	38+5	3240	Choledochal cyst
D37	Female	29+5	700	ELBW, IUGR, BPD, necrotizing enterocolitis, ileostomy,
D38	Male	40+5	2860	Neonatal hyperbilirubinemia,
D39	Male	37+1	2100	Floppy infantile syndrome, Hypoxic ischemic encephalopathy, intracranial hemorrhage
D40	Female	38+1	2310	LBW, cri du chat syndrome
D41	Female	28+1	1170	VLBW, Prematurity
D42	Male	37+2	1350	VLBW, Methicillin-resistant Staphylococcus aureus sepsis
D43	Male	38+0	3300	Imperforate anus, colostomy
D44	Male	31+4	1460	ELBW, Prematurity
D45	Female	31+4	1350	ELBW, Prematurity
D46	Female	28+0	1230	VLBW, Prematurity, moderate BPD, neonatal apnea
D47	Female	25+6	800	VLBW, Prematurity, Floppy infantile syndrome
D48	Male	37+2	2200	LBW, SDH

VLBW, very low birth weight (<1500 g); ELBW, extremely low birth weight (<1000 g); LBW, low birth weight (<2500 g); IUGR, intrauterine growth retardation; BPD, Bronchopulmonary dysplasia; CMV, cytomegalovirus.