

(A)



(B)



Supplemental Fig. S1 (A) A comatose animal (no. R1) with severe anemia in the veterinary intensive care unit (ICU). (B) The animal recovered immediately after transfusion.

Supplemental table 1. Results of biochemical examination of blood for recipients

No.		Alubmin (g/dl)	BUN (mg/dl)	Creatinine (mg/dl)	ALT (U/L)	GGT (U/L)
R1	Pre	n/a	n/a	n/a	n/a	n/a
	Post	4.2	29.8	0.3	3	5
R2	Pre	n/a	n/a	n/a	n/a	n/a
	Post	5.1	24.5	0.2	14	n/a
R3	Pre	3.4	19.7	0.2	1	1
	Post	5.3	30.2	0.2	10	1
R4	Pre	3.5	45.9	0.7	8	5
	Post	4.7	57.6	0.5	5	8
R5	Pre	3.9	21.2	0.2	18	9
	Post	4.8	n/a	n/a	4	12
R6	Pre	3.5	66.1	0.5	3	3
	Post	2.8	n/a	n/a	5	1
R7	Pre	4.1	29.8	0.1	7	1
	Post	3.7	28.2	0.2	n/a	1
R8	Pre	4.3	25.5	0.3	6	6
	Post	n/a	n/a	n/a	n/a	n/a
R9	Pre	4.0	n/a	n/a	n/a	n/a
	Post	4.6	25.8	0.2	14	3

BUN: blood urea nitrogen, ALT: alanine aminotransferase,
GGT: γ -glutamyltranspeptidase, n/a: not applicable
Pre: pre-transfusion, Post: post-transfusion

Supplemental table 2. Result of blood type sequence

Animal no.	Sequence	Type
R1	CTGgggGGG	A
R2	CTGgggGGG	A
R3	CTGgggGGG	A
R4	CTGgggGGG	A
R5	CTGgggGGG	A
R6	CTGgggGGG	A
R7	CTGgggGGG	A
R8	CTGgggGGG	A
R9	CTGgggGGG	A
D1	CTGgggGGG	A
D2	CTGgggGGG	A
D3	CTGgggGGG	A
D5	CTGgggGGG	A
D6	CTGgggGGG	A
D7	CTGgggGGG	A
C1 ^a	CTGgggGGG	A
C2 ^b	CTGgggGGG	A
C3 ^c	CTGgggGGG	A

^a0-year-old female, ^b5-year-old female, ^c8-year-old male

Supplemental table 3. Results of CBC test for recipients

No.	Periods ^a	WBC ^b (10 ² /μL)	RBC ^c (10 ⁴ /μL)	Hemoglobin (g/dl)	Hematocrit (%)	MCV ^d (fL)	MCH ^e (pg)	MCHC ^f (g/dL)	Platelet (10 ⁴ /μL)	Reticulocyte (%)
R1	pre	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	post (47w)	94.0	305.0	8.2	31.2	102.3	26.9	26.3	67.0	38.7
R2	pre	115.8	211.0	5.0	16.8	79.6	23.7	29.8	42.7	26.7
	post (18w)	85.9	657.0	16.1	54.4	82.8	24.5	29.6	119.1	6.5
	post (54w)	39.8	727.0	16.4	54.6	75.1	22.5	30.0	84.0	7.9
R3	pre	154.1	186.0	3.9	13.0	69.9	21.0	30.0	53.2	36.4
	post (8w)	131.5	703.0	14.8	50.7	72.1	21.1	29.2	71.4	4.9
R4	pre	111.1	168.0	3.8	12.6	75.0	22.7	30.2	67.5	29.1
	post (11w)	54.6	546.0	11.2	37.0	67.8	20.5	30.3	72.7	2.2
R5	pre	40.6	635.0	14.5	46.2	72.8	22.9	31.4	62.7	1.8
	post (11w)	45.4	658.0	15.0	49.0	74.5	22.8	30.6	66.8	4.4
R6	pre	66.9	289.0	6.3	22.4	77.5	21.8	28.1	84.7	10.5
	post (29w)	41.6	536.0	12.3	41.7	77.8	23.0	29.5	84.7	14.5
R7	pre	71.9	598.0	13.1	44.5	74.4	21.9	29.4	59.3	9.6
	post (28w)	75.3	714.0	16.6	55.7	78.0	23.2	29.8	65.3	5.7
R8	pre	83.7	517.0	10.6	35.0	67.7	20.5	30.3	76.2	6.6
	post (17w)	24.5	284.0	6.0	21.0	73.9	21.1	28.6	169.1	6.5
R9	pre	119.4	589.0	13.7	43.8	74.4	23.3	31.3	57.8	5.3
	post (32w)	87.2	618.0	14.4	47.8	77.3	23.3	30.1	55.2	10.0

^aShown in parentheses are post-transfusion periods, ^bWBC: white blood cells, ^cRBC: red blood cells, ^dMCV: mean corpuscular volume, ^eMCH: mean corpuscular hemoglobin, ^fMCHC: mean corpuscular hemoglobin concentration, n/a: not applicable