

Supplementary Data

SUPPLEMENTARY TABLE S1. DESCRIPTION OF THE HEALTH STATUS OF THE PIGLETS BORN FROM SCNT AFTER TREATMENT WITH HDACi, SCRIPTAID, SAHA, AND ISAHA

<i>Piglet</i>	<i>ID</i>	<i>Treatment</i>	<i>Age of death (days)</i>	<i>Health summary</i>	<i>Status</i>
1	11-1	Scriptaid	1	Piglet died within hours of birth; no bladder evident upon necropsy	Died
2	11-2	Scriptaid	19	Piglet died after a seizure; enlarged liver upon necropsy	Died
3	11-3	Scriptaid	0	Died 4 hours after birth; abnormal oblong kidneys	Died
4	11-4	Scriptaid	5	Piglet died during a seizure; had difficulty using rear legs	Died
5	14-1	Scriptaid	0	Piglet died during seizure; umbilical hernia	Died
6	14-2	Scriptaid	1	Piglet died after vomiting, diarrhea, kyphosis (poor spinal structure)	Died
7	14-3	Scriptaid	11	Piglet died; necropsy revealed evidence of a septicemia	Died
8	14-4	Scriptaid	51	Piglet lived to day 51; euthanized due to poor leg and spinal structure	Euthanized
9	14-5	Scriptaid	2	Piglet lost mobility	Euthanized
10	26-1	ISAHA	2	Piglet had difficulty breathing; contracted tendons on all four legs	Euthanized
11	26-2	ISAHA	1	Piglet appeared healthy; died unexpectedly of unknown cause	Died
12	26-3	ISAHA	1	Lethargic, failure to thrive; liver had a mottled color	Died
13	26-4	ISAHA	>45	Normal	Transferred
14	27-1	ISAHA	>45	Normal	Transferred
15	27-2	ISAHA	3	Failure to thrive; lungs abnormally red upon necropsy	Euthanized
16	27-3	ISAHA	6	Piglet died during seizure; heart was thick	Died
17	27-4	ISAHA	7	Piglet died during seizure; lethargic and no effort to eat	Died
18	32-1	ISAHA	>136	Normal	Transferred
19	32-2	ISAHA	>74	Died unexpectedly; necropsy revealed evidence of a septicemia	Died
20	29-1	SAHA	>38	Normal	Transferred
21	29-2	SAHA	15	Piglet appeared healthy; died unexpectedly of unknown cause	Died
22	30-1	SAHA	1	Very stiff muscles in front legs and could not stand	Euthanized
23	30-2	SAHA	>45	Normal	Transferred
24	30-3	SAHA	0	Macroglossia and contracted tendons on all four legs	Euthanized

Piglets that had a normal health status became part of other xenotransplantation projects and were transferred out of MU facilities.

SCNT, somatic cell nuclear transfer; HDACi, histone deacetylase inhibitor; SAHA, suberoylanilide hydroxamic acid; ISAHA, 4-iodo-suberoylanilide hydroxamic acid.