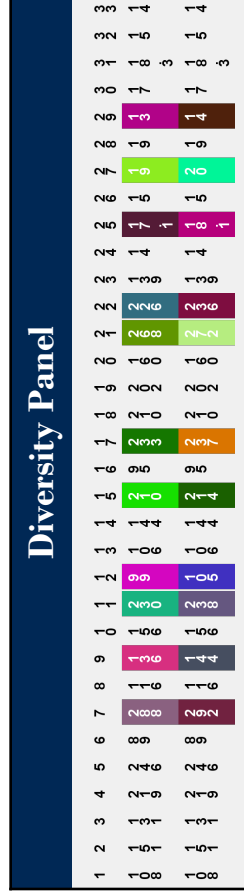
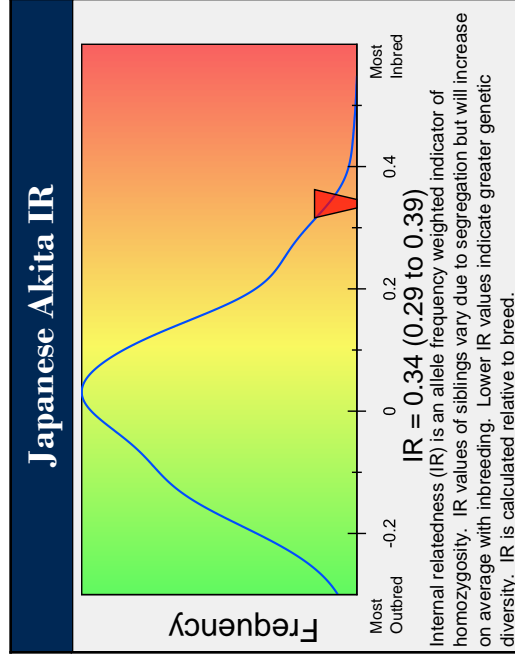


# DOG GENETIC DIVERSITY ANALYSIS

## HOPEATIICKERIN HAPPY JOE

**Breed:** Akita: Japanese type  
**Sex:** Male  
**Color:**  
**DOB:** 2019  
**Reg:**

**Case:** NCD107577  
**Print Date:** November 22, 2019  
**Report ID:** 1696-1316-4121-5055



### Japanese Akita DLA

DLA I	DLA II	DLA I	DLA II
Haplotype 1	1092	2035	
Haplotype 2	1092	2035	

Maintaining diversity in the DLA which helps regulate immune responses is beneficial to a breed. Choosing mates differing in their DLA haplotypes helps maintain diversity in litters.



**Veterinary Genetics Laboratory**  
 One Shields Avenue, Davis, CA 95616  
 530-752-2211  
[www.vgl.ucdavis.edu](http://www.vgl.ucdavis.edu)

HANNA POHTO  
 TUPASVILLATIE 1 A 2  
 90630 OULU  
 FINLAND



VETERINARY GENETICS LABORATORY  
SCHOOL OF VETERINARY MEDICINE  
ONE SHIELDS AVENUE  
DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211  
FAX: (530) 752-3556

## CANINE GENETIC MARKER REPORT

HANNA POHTO TUPASVILLATIE 1 A 2 90630 OULU FINLAND		<b>Case:</b> <b>NCD107577</b> <b>Date Received:</b> 19-Nov-2019 <b>Print Date:</b> 22-Nov-2019 <b>Report ID:</b> 1696-1316-4121-5055 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.htm">www.vgl.ucdavis.edu/myvgl/verify.htm</a>
<b>Name:</b> HOPEATIIKERIN HAPPY JOE <b>DOB:</b> 09/12/2019 <b>Sex:</b> Male <b>Breed:</b> Akita: Japanese type		<b>Reg:</b>
<b>Sire:</b> CHIYA GO SAKURA NO SONO <b>Dam:</b> TEDIIBEA NO ENZERU NO EGAO		<b>Reg:</b> <b>Reg:</b>

## DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	108/108	2: AHT137	151/151	3: AHTH130	131/131
4: AHTh171-A	219/219	5: AHTh260	246/246	6: AHTk211	89/89
7: AHTk253	288/292	8: C22.279	116/116	9: FH2001	136/144
10: FH2054	156/156	11: FH2848	230/238	12: INRA21	105/99
13: INU005	106/106	14: INU030	144/144	15: INU055	210/214
16: LEI004	95/95	17: REN105L03	233/237	18: REN162C04	210/210
19: REN169D01	202/202	20: REN169O18	160/160	21: REN247M23	268/272
22: REN54P11	226/236	23: REN64E19	139/139	24: VGL0760	14/14
25: VGL0910	17.1/18.1	26: VGL1063	15/15	27: VGL1165	19/20
28: VGL1828	19/19	29: VGL2009	13/14	30: VGL2409	17/17
31: VGL2918	18.3/18.3	32: VGL3008	15/15	33: VGL3235	14/14