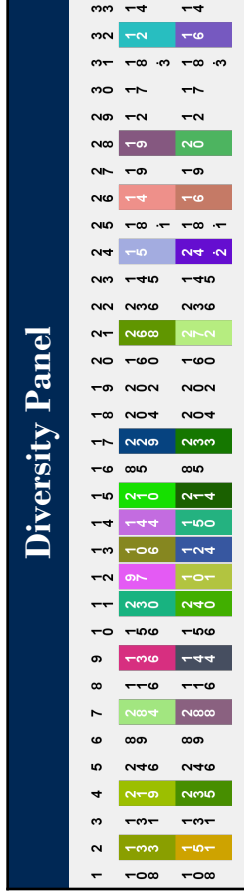
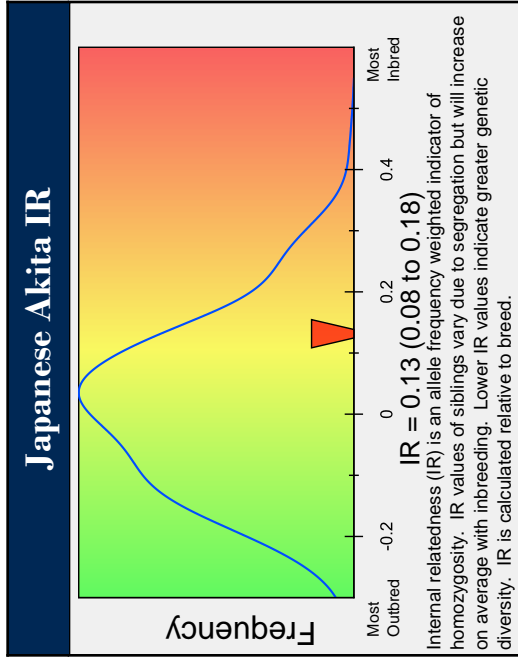


# DOG GENETIC DIVERSITY ANALYSIS

## RAN GO TOKIMITSU

**Breed:** Akita: Japanese type  
**Sex:** Female  
**Color:** Red  
**DOB:** 2018  
**Reg:**

**Case:** NCD101935  
**Print Date:** July 30, 2019  
**Report ID:** 2306-0898-1868-3008



### Japanese Akita DLA

	DLA I	DLA II	
<b>Haplotype 1</b>	1061	2057	
<b>Haplotype 2</b>	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**  
**HAKEKATU 2 D 52**  
90520 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

<p>HANNA POHTO HAKEKATU 2 D 52 90520 OULU FINLAND</p>	<p><b>Case:</b> NCD101935 <b>Date Received:</b> 26-Jul-2019 <b>Print Date:</b> 30-Jul-2019 <b>Report ID:</b> 2306-0898-1868-3008 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.htm">www.vgl.ucdavis.edu/myvgl/verify.htm</a></p>
<p><i>Name:</i> <b>RAN GO TOKIMITSU</b> <span style="float: right;"><i>Reg:</i></span> <i>DOB:</i> <b>05/08/2018</b> <i>Sex:</i> <b>Female</b> <i>Breed:</i> <b>Akita: Japanese type</b> <i>Color:</i> <b>Red</b></p>	
<p><i>Call Name:</i> <b>Kira</b></p>	

## DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	108/108	2: AHT137	133/151	3: AHTH130	131/131
4: AHTH171-A	219/235	5: AHTH260	246/246	6: AHTk211	89/89
7: AHTk253	284/288	8: C22.279	116/116	9: FH2001	136/144
10: FH2054	156/156	11: FH2848	230/240	12: INRA21	101/97
13: INU005	106/124	14: INU030	144/150	15: INU055	210/214
16: LEI004	85/85	17: REN105L03	229/233	18: REN162C04	204/204
19: REN169D01	202/202	20: REN169O18	160/160	21: REN247M23	268/272
22: REN54P11	236/236	23: REN64E19	145/145	24: VGL0760	15/24.2
25: VGL0910	18.1/18.1	26: VGL1063	14/16	27: VGL1165	19/19
28: VGL1828	19/20	29: VGL2009	12/12	30: VGL2409	17/17
31: VGL2918	18.3/18.3	32: VGL3008	12/16	33: VGL3235	14/14