

# Eighty Eight

**Eighty Eight  
Butterfly**  
(*Diathria anna*)



**EIGHTY EIGHT** is a hardy variety, showing both frost tolerance and mold resistance. She is quick to emerge and rapid to root. This plant is a high yielding and generally non apically dominant plant with good side branching. Its terpene profile tends to be more savory than sweet. Often earthy like pine forest detritus after a summer rain, backed by notes of menthol and basil.

## PLANT CHARACTERISTICS

<b>CBD</b>	8-12%
<b>CBD:THC RATIO</b>	28-32:1
<b>TOTAL THC</b>	0.22-0.30%*
<b>DOMINANT TERPENES</b>	Caryophyllene, Pinene, Ocimene, Guaiol
<b>HEIGHT AVG.</b>	5ft - 6ft

## GROWING INFORMATION

<b>COMPLIANCE</b>	Total THC
<b>YIELD AVG.</b>	1.5-2.5 <sup>lbs</sup> per plant**
<b>HARVEST PERIOD</b>	October 1 <sup>st</sup> -10 <sup>th</sup>
<b>GERMINATION RATE</b>	98%
<b>PURITY</b>	99.92%***

Highly mold and mildew resistant, frost tolerant and generally resistant to most pests

\* All sample collection is done in strict compliance with the USDA's current Hemp Sampling Guidelines

\*\* Yield averages based on a field planting date of mid-June

\*\*\* Verified by Oregon State University seed laboratory, an AOSA accredited institution, Feminization rates verified by third-party laboratory

**98%**  
GERMINATION RATE  
Oregon State **OSU**  
UNIVERSITY

**100%**  
FEMINIZED SEED  
**PHYLOS**  
BIOSCIENCE

## Report of Seed Analysis

NAMES AND ADDRESSES: - Davis Farms of Oregon, LLC 61535 S.HIGHWAY 97 SUITE 9344 BEND OR 97702	DATE RECEIVED <b>03-31-2021</b>	DATE COMPLETED <b>04-07-2021</b>	TEST NO <b>294199</b>
			SENDERS INFORMATION* KIND: <b>Industrial hemp</b> VARIETY: <b>Eighty-Eight</b> GENUS/SPECIES: <b>Cannabis sativa</b> LOT NUMBER: <b>#DF2020032002EE</b> SIZE OF LOT: <b>Not Stated</b> FIELD NUMBER: <b>Not Stated</b> SAMPLE TYPE: <b>Commercial</b> OTHER INFORMATION: <b>None</b>

### PURITY ANALYSIS

( 29.46 GRAMS ANALYZED)

\*The information provided here is that of the sender and not of the laboratory.

### VIABILITY ANALYSIS (Date completed: 04-07-2021)

		Germ-ination %	Dormant %	Hard Seed %	Total Viable %	No. Seeds (Germ)	Days Tested	TEST FLUOR %	TZ %
<b>PURE SEED COMPONENT(S):</b> <b>Industrial hemp</b> <b>Cannabis sativa</b>	<b>99.94 %</b>	97	X	X	97	400	7	X	X
OTHER CROP SEED INERT MATTER WEED SEED (incl. noxious)	<b>0.00 %</b> <b>0.06 %</b> <b>0.00 %</b>	COMMENTS: <b>Not applicable</b> <b>No Pre-chill.</b>							

<b>OTHER CROP SEED:</b>  None Found	<b>All States and Federal NOXIOUS WEED SEEDS</b> <b>290.5 GMS. ANALYZED</b> <b>(Except Hawaii, Undesirable Grass Seeds, Orobanche spp., &amp; Striga spp.)</b>  None Found
<b>INERT Broken seeds, chaff, stems. MATTER:</b>	<b>OTHER DETERMINATIONS:</b> Not applicable
<b>WEED SEED:</b>  None Found	<b>Working sample size based on equivalent weight of 2500 seeds, and was determined by 1000 seed weight according to AOSA Rules 2.3b(3).</b>

<b>TEST CODES AND FEES:</b> p-\$49.00 g-\$43.00	<b>RULES FOLLOWED OTHER THAN AOSA:</b> _____ <b>SIGNATURE</b>  570742
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### Eighty Eight

Sample ID: G010130-05

Matrix: Industrial Hemp

Test ID: 5001703

Source ID:

Date Sampled: 09/03/20

Date Accepted: 09/03/20

*Davis Farms of Oregon*

#### Results at a Glance

Total THC : 0.30 %

Total CBD : 7.9 %

Total CBG : 0.20 % dry PASS

Percent Moisture : 7.59 % PASS

Total Terpenes : 0.8065 % PASS



ISO 17025  
ACCREDITED  
LABORATORY

*Russell Kuhfeld*

Russell Kuhfeld  
Quality Officer - 9/8/2020

All QC samples met acceptance criteria of the method, data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



### Eighty Eight

Sample ID: G010130-05

Matrix: Industrial Hemp

Test ID: 5001703

Source ID:

Date Sampled: 09/03/20

Date Accepted: 09/03/20

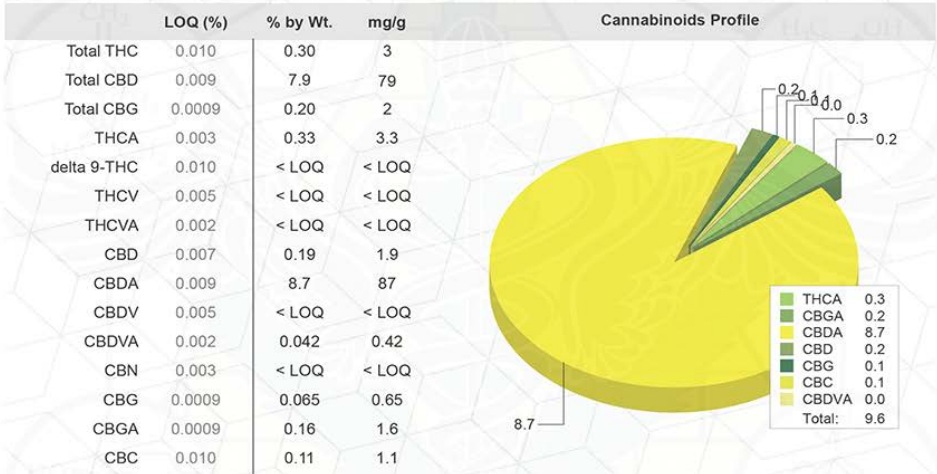
*Davis Farms of Oregon*

### Potency Analysis

Date/Time Extracted: 09/05/20 08:40

Analysis Method/SOP: 215

Batch Identification: 2036068



### Moisture

Date/Time Extracted: 09/08/20 15:54

Analysis Method/SOP: 103

Moisture: 7.59 %

Action Level: 15%

Potency results are reported on a dry weight basis.

Total THC = delta 9-THC + (THCA \* 0.877)

Total CBD = CBD + (CBDA \* 0.877)

Total CBG = CBG + (CBGA \* 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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### Eighty Eight

Sample ID: G010130-05

Matrix: Industrial Hemp

Test ID: 5001703

Source ID:

Date Sampled: 09/03/20

Date Accepted: 09/03/20

*Davis Farms of Oregon*

### Terpene Analysis

Date/Time Extracted: 09/05/20 08:40

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	< LOQ	< LOQ
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	0.01230	0.123
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.04689	0.4689
Linalool	< LOQ	< LOQ	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	0.4609	4.609	alpha-Pinene	0.05629	0.5629
beta-Pinene	0.02282	0.2282	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	< LOQ	< LOQ	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	< LOQ	< LOQ	Borneol	< LOQ	< LOQ
Ocimene isomer II	0.07069	0.7069	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.03374	0.3374	beta-Caryophyllene	0.07505	0.7505
Caryophyllene Oxide	< LOQ	< LOQ	Guaiol	0.004510	0.0451
alpha-Humulene	0.02335	0.2335	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
<b>Total Terpenes</b>	<b>0.8065</b>	<b>8.065</b>			

<LOQ - Results below the Limit of Quantitation - Terpenes profile/analysis are not accredited to ORELAP TNI 2009 Quality Standards.



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Quality Officer - 9/8/2020

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Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



### Eighty Eight

Sample ID: G010130-05

Matrix: Industrial Hemp

Test ID: 5001703

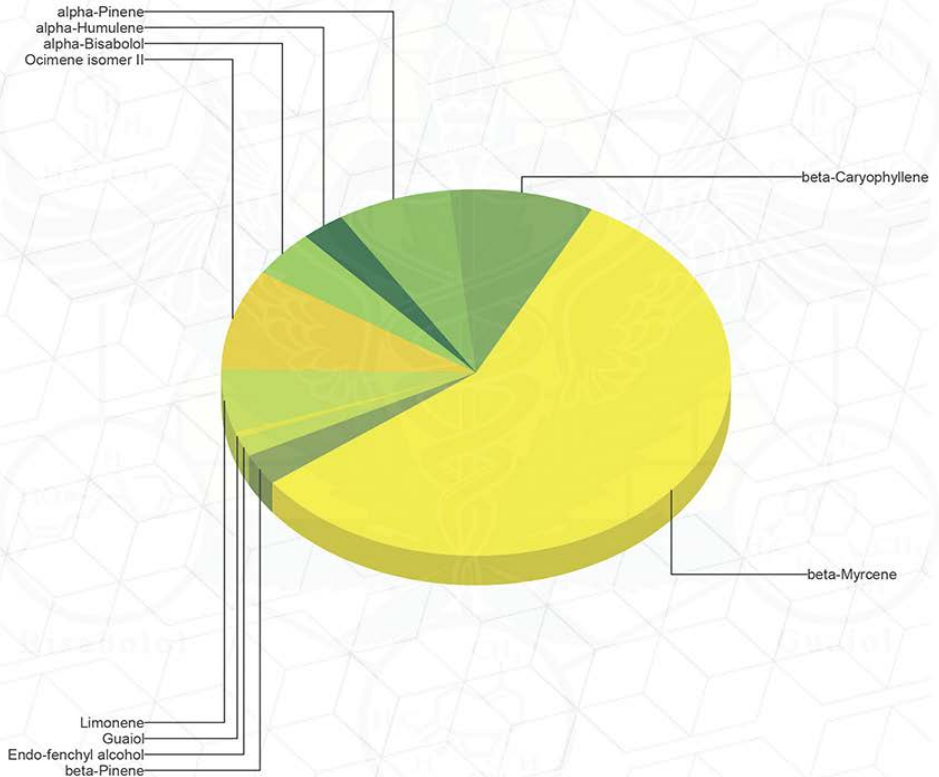
Source ID:

Date Sampled: 09/03/20

Date Accepted: 09/03/20

*Davis Farms of Oregon*

### Terpene Profile



### Percentage of Total Terpenes Identified



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### Eighty Eight 7

Sample ID: G9K0337-07

Matrix: Industrial Hemp

Test ID: 5000107

Source ID:

Date Sampled: 11/14/19

Date Accepted: 11/14/19

*Davis Farms of Oregon*

#### Results at a Glance

Total THC : 0.2387 %

Total CBD : 6.641 %

Percent Moisture : 8.36 % **PASS**

*Russell Kuhfeld*

Russell Kuhfeld  
Quality Officer - 11/19/2019



### Eighty Eight 7

Sample ID: G9K0337-07

Matrix: Industrial Hemp

Test ID: 5000107

Source ID:

Date Sampled: 11/14/19

Date Accepted: 11/14/19

*Davis Farms of Oregon*

### Potency Analysis

Date/Time Extracted: 11/16/19 09:17

Analysis Method/SOP: 215

Batch Identification: 1946095

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile																		
Total THC	0.0099	0.2387	2.387	<table border="1"> <tr><td>THCA</td><td>0.2</td></tr> <tr><td>delta 9-THC</td><td>0.0</td></tr> <tr><td>CBGA</td><td>0.2</td></tr> <tr><td>CBDA</td><td>7.4</td></tr> <tr><td>CBD</td><td>0.2</td></tr> <tr><td>CBG</td><td>0.0</td></tr> <tr><td>CBC</td><td>0.1</td></tr> <tr><td>CBDVA</td><td>0.1</td></tr> <tr><td>Total:</td><td>8.1</td></tr> </table>	THCA	0.2	delta 9-THC	0.0	CBGA	0.2	CBDA	7.4	CBD	0.2	CBG	0.0	CBC	0.1	CBDVA	0.1	Total:	8.1
THCA	0.2																					
delta 9-THC	0.0																					
CBGA	0.2																					
CBDA	7.4																					
CBD	0.2																					
CBG	0.0																					
CBC	0.1																					
CBDVA	0.1																					
Total:	8.1																					
Total CBD	0.0091	6.641	66.41																			
THCA	0.0032	0.2429	2.429																			
delta 9-THC	0.0099	0.0256	0.256																			
delta 8-THC	0.0049	< LOQ	< LOQ																			
Exo-THC	0.0046	< LOQ	< LOQ																			
THCV	0.0055	< LOQ	< LOQ																			
THCVA	0.0021	< LOQ	< LOQ																			
CBD	0.0068	0.1758	1.758																			
CBDA	0.0091	7.372	73.72																			
CBDV	0.0055	< LOQ	< LOQ																			
CBDVA	0.0018	0.0545	0.545																			
CBN	0.0033	< LOQ	< LOQ																			
CBG	0.0009	0.0287	0.287																			
CBGA	0.0009	0.1763	1.763																			
CBC	0.0098	0.0709	0.709																			

### Moisture

Date/Time Extracted: 11/16/19 11:06

Analysis Method/SOP: 103

Moisture: 8.36 %

Potency Results are reported on a dry weight basis.

Total THC = delta 9-THC + (THCA \* 0.877)

Total CBD = CBD + (CBDA \* 0.877)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

Russell Kuhfeld  
Quality Officer - 11/19/2019





## Juniper Analytics LLC

1334 NE 2nd St  
Bend, OR  
(541) 382-3796  
<http://www.juniperanalyticsllc.com>  
ORELAP: License # 4101-001

## Davis Herb Farms

OR 97702  
(541) 480-9702  
Lic. #



Sample: 18JA1801.03

Flower Potency - Not for Compliance - CAN,  
MC

Intake Date: 10/24/2018  
Harvest/Prod. Date: 10/23/2017  
Potency Analysis Date: 10/26/2018

### Eighty Eight



### Cannabinoid Profile

**0.293%**  
Total THC  
**2.93 mg/g**  
Total THC mg/g

**8.709%**  
Total CBD  
**87.09 mg/g**  
Total CBD mg/g

Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.450	0.334	3.34
Δ9-THC	0.450	<LOQ	<LOQ
Δ8-THC	0.450	<LOQ	<LOQ
THCV	0.450	<LOQ	<LOQ
CBDa	0.450	9.732	97.32
CBD	0.450	0.175	1.75
CBN	0.450	<LOQ	<LOQ
CBG	0.450	<LOQ	<LOQ
CBC	0.450	0.125	1.25
<b>Total</b>		<b>10.365</b>	<b>103.65</b>

Total THC = THCa \* 0.877 + Δ9-THC

Total CBD = CBDa \* 0.877 + CBD

Instrument: HPLC/DAD; Method: JA-Potency-Proprietary; LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Potency Analysis (Oregon Compliance Standard OAR 333-007-0430).

Ben Armstrong  
QA Review

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(866) 506-5866  
[www.confidentcannabis.com](http://www.confidentcannabis.com)



# Eighty Eight

FARM BILL  
COMPLIANTSAMPLE ID  
233989SAMPLE NAME  
Eighty EightMATRIX  
FlowerCOLLECTED, RECEIVED  
10/20/2020 10:05, 10/20/2020 10:05CULTIVATOR INFO  
Blue Ridge Hemp Co.**TOTAL  
CBD** **9.236 %****TOTAL  
D9-THC** **ND****TOTAL  
CANNABINOIDS** **9.484 %****TOTAL  
TERPENES** **0.27 %** Indicates that the hemp product passes some of the strictest testing standards available for cannabis and hemp.1801 Carnegie Ave, Santa Ana CA 92705  
License: C8-000012-LIC  
(949) 329-8378  
www.cannalysis.com

PAGE 1 OF 3

SAMPLE ID: 233989 | REPORT ID: COA-00082548  
Exp: 10/23/2021 | ISO/IEC 17025:2017 Accredited | #93948



## CANNABINOID ANALYSIS

TOTAL THC: 2.482 mg/g (0.2482 %)  
 TOTAL CBD: 92.36 mg/g (9.236 %)  
 TOTAL CANNABINOIDS: 94.84 mg/g (9.484 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ
THCa	2.482 mg/g (0.2482 %)	0.1000	0.2000
D9THC	ND	0.1000	0.2000
D8THC	ND	0.1000	0.2000
THCv	ND	0.1000	0.2000
CBDa	87.02 mg/g (8.702 %)	0.1000	0.2000
CBD	5.342 mg/g (0.5342 %)	0.1000	0.2000

ANALYTE	RESULT	LOD	LLOQ
CBDv	ND	0.1000	0.2000
CBGa	ND	0.1000	0.2000
CBG	ND	0.1000	0.2000
CBN	ND	0.1000	0.2000
CBC	ND	0.1000	0.2000

### ADDITIONAL INFORMATION

Method: SOP-TECH-001  
 Instrument: UPLC-DAD

Sample Prepped: 10/21/2020 11:15  
 Sample Analyzed: 10/21/2020 11:17

Sample Approved: 10/22/2020 15:45  
 Prep-Analytical Batch: 22362-17202



## TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ
3-Carene	ND	0.5000	1.000
Alpha cedrene	ND	0.5000	1.000
Alpha pinene	<LLOQ	0.5000	1.000
Alpha terpineol	ND	0.3300	0.6500
Beta myrcene	2.795 mg/g (0.2795 %)	0.5000	1.000
Borneol	ND	0.5000	1.000
Camphor	ND	0.5000	1.000
Cedrol	ND	0.5000	1.000
Eucalyptol	ND	0.5000	1.000
Fenchone	ND	0.5000	1.000
Gamma terpineol	ND	0.1000	0.2100
Gualol	<LLOQ	0.5000	1.000
Isopulegol	ND	0.5000	1.000
Linalool	ND	0.5000	1.000
Ocimene 1	ND	0.1600	0.3100
P-cymene	ND	0.5200	1.050
Pulegone	ND	0.5000	1.000
Sabinene hydrate	ND	0.5000	1.000
Trans beta farnesene	ND	0.5000	1.000
Trans nerolidol	ND	0.5000	1.000

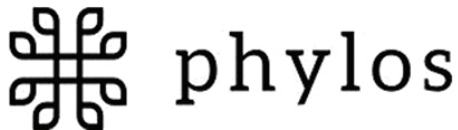
ANALYTE	RESULT	LOD	LLOQ
Alpha bisabolol	<LLOQ	0.5000	1.000
Alpha humulene	ND	0.5000	1.000
Alpha terpinene	ND	0.5000	1.000
Beta caryophyllene	<LLOQ	0.5000	1.000
Beta pinene	ND	0.6100	1.210
Camphene	ND	0.5000	1.000
Caryophyllene oxide	ND	0.5000	1.000
Cis nerolidol	ND	0.5000	1.000
Fenchol	ND	0.5000	1.000
Gamma terpinene	ND	0.5000	1.000
Geranyl acetate	ND	0.5000	1.000
Isoborneol	ND	0.5000	1.000
Limonene	ND	0.5000	1.000
Menthol	ND	0.5000	1.000
Ocimene 2	ND	0.3500	0.6900
P-mentha-1,5-diene	ND	0.5000	1.000
Sabinene	ND	0.5000	1.000
Terpinolene	ND	0.5000	1.000
Trans geraniol	ND	0.5000	1.000
Valencene	ND	0.5000	1.000

### ADDITIONAL INFORMATION

Method: SOP-TECH-027  
 Instrument: GC-MS-FID

Sample Prepped: 10/21/2020 16:30  
 Sample Analyzed: 10/21/2020 16:32

Sample Approved: 10/22/2020 16:01  
 Prep-Analytical Batch: 22423-17232



# Sex Test Results

Stake ID	Sex	Completed	Note
D-AAAXH-A1	Female	October 07, 2019	
D-AAAXH-B1	Female	October 07, 2019	
D-AAAXH-C1	Female	October 07, 2019	
D-AAAXH-D1	Female	October 07, 2019	
D-AAAXH-E1	Female	October 07, 2019	
D-AAAXH-F1	Female	October 07, 2019	
D-AAAXH-G1	Female	October 07, 2019	
D-AAAXH-H1	Female	October 07, 2019	
D-AAAXH-A2	Female	October 07, 2019	
D-AAAXH-B2	Female	October 07, 2019	
D-AAAXH-C2	Female	October 07, 2019	
D-AAAXH-D2	Female	October 07, 2019	
D-AAAXH-E2	Female	October 07, 2019	
D-AAAXH-F2	Female	October 07, 2019	
D-AAAXH-G2	Female	October 07, 2019	
D-AAAXH-H2	Female	October 07, 2019	
D-AAAXH-A3	Female	October 07, 2019	
D-AAAXH-B3	Female	October 07, 2019	



Stake ID	Sex	Completed	Note
D-AAAXH-C3	Female	October 07, 2019	
D-AAAXH-D3	Female	October 07, 2019	
D-AAAXH-E3	Female	October 07, 2019	
D-AAAXH-F3	Female	October 07, 2019	
D-AAAXH-G3	Female	October 07, 2019	
D-AAAXH-H3	Female	October 07, 2019	
D-AAAXH-A4	Female	October 07, 2019	
D-AAAXH-B4	Female	October 07, 2019	
D-AAAXH-C4	Female	October 07, 2019	
D-AAAXH-D4	Female	October 07, 2019	
D-AAAXH-E4	Female	October 07, 2019	
D-AAAXH-F4	Female	October 07, 2019	
D-AAAXH-G4	Female	October 07, 2019	
D-AAAXH-H4	Female	October 07, 2019	
D-AAAXH-A5	Female	October 07, 2019	
D-AAAXH-B5	Female	October 07, 2019	
D-AAAXH-C5	Female	October 07, 2019	
D-AAAXH-D5	Female	October 07, 2019	
D-AAAXH-E5	Female	October 07, 2019	
D-AAAXH-F5	Female	October 07, 2019	
D-AAAXH-G5	Female	October 07, 2019	
D-AAAXH-H5	Female	October 07, 2019	
D-AAAXH-A6	Female	October 07, 2019	
D-AAAXH-B6	Female	October 07, 2019	

Stake ID	Sex	Completed	Note
D-AAAXH-C6	Female	October 07, 2019	
D-AAAXH-D6	Female	October 07, 2019	
D-AAAXH-E6	Female	October 07, 2019	
D-AAAXH-F6	Female	October 07, 2019	
D-AAAXH-G6	Female	October 07, 2019	
D-AAAXH-H6	Female	October 07, 2019	
D-AAAXH-A7	Female	October 07, 2019	
D-AAAXH-B7	Female	October 07, 2019	
D-AAAXH-C7	Female	October 07, 2019	
D-AAAXH-D7	Female	October 07, 2019	
D-AAAXH-E7	Female	October 07, 2019	
D-AAAXH-F7	Female	October 07, 2019	
D-AAAXH-G7	Female	October 07, 2019	
D-AAAXH-H7	Female	October 07, 2019	
D-AAAXH-A8	Female	October 07, 2019	
D-AAAXH-B8	Female	October 07, 2019	
D-AAAXH-C8	Female	October 07, 2019	
D-AAAXH-D8	Female	October 07, 2019	
D-AAAXH-E8	Female	October 07, 2019	
D-AAAXH-F8	Female	October 07, 2019	
D-AAAXH-G8	Female	October 07, 2019	
D-AAAXH-H8	Female	October 07, 2019	
D-AAAXH-A9	Female	October 07, 2019	
D-AAAXH-B9	Female	October 07, 2019	
D-AAAXH-C9	Female	October 07, 2019	