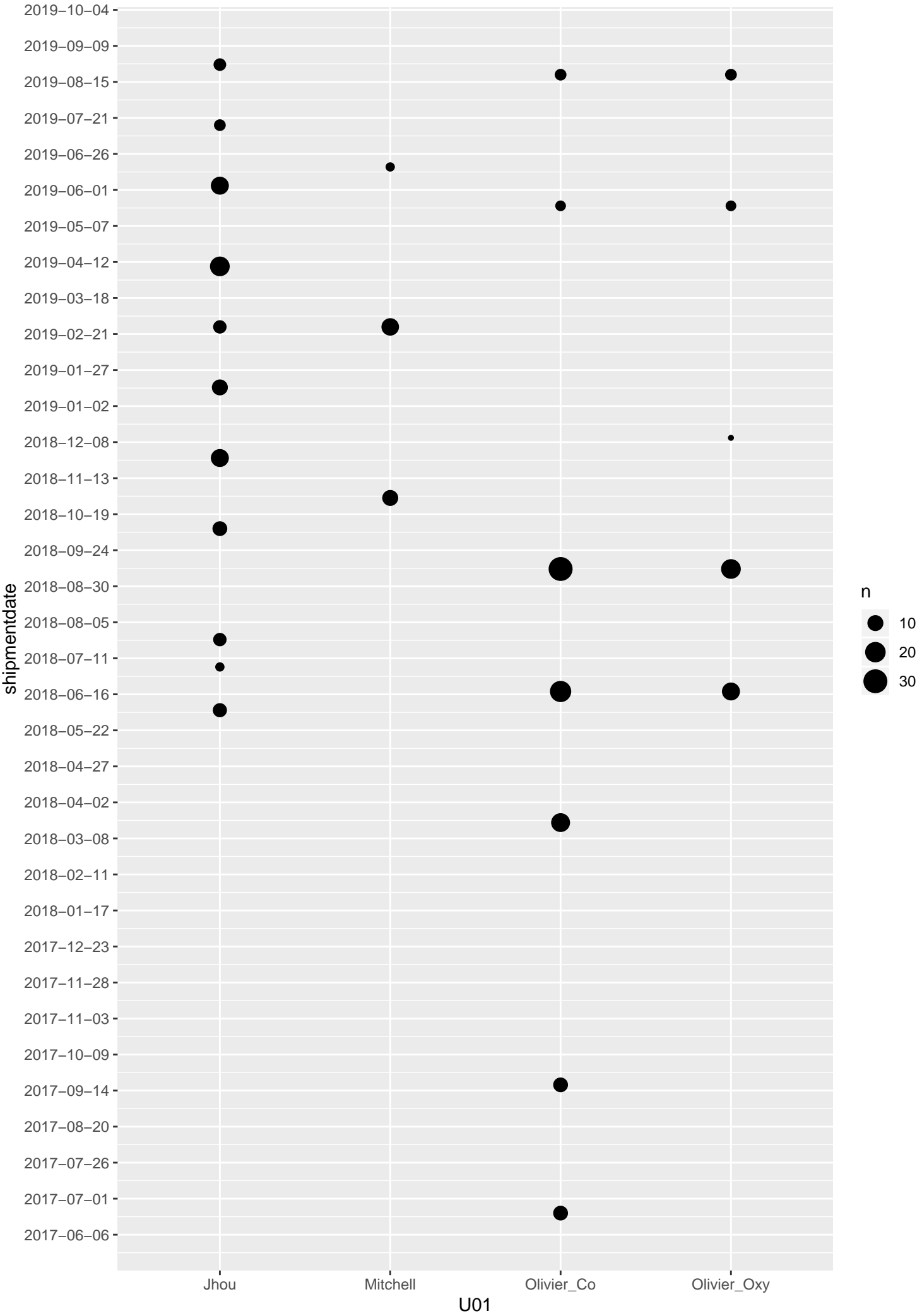


In WFU's rat shipments to U01 projects, we expect each cohort to represent different generations or a separate set of sire–dame pairs. Therefore, we would expect to find the number of rats from the same sire–dame pair in one cohort to be equal to the the number of rats from the same sire–dame pair in the overall U01. We have found that to not be the case for four of the U01's. The first figure and the second figure summarize the number of cases along with the timeline of shipments, while the last figure provides detailed information of each case.

	U01	n
1	Jhou	48
2	Mitchell	14
3	Olivier Cocaine	36
4	Olivier Oxycodone	14

Shipment Dates Timeline by U01, from WFU shipments



	U01	sires	dames	cohort	siredamepair_in_cohort	siredamepair_in_u01
1	Jhou	72409_2	72404_1	01	2	4
2	Jhou	72409_2	72404_1	03	2	4
3	Jhou	72411_2	72338_2	01	2	4
4	Jhou	72411_2	72338_2	03	2	4
5	Jhou	72454_2	72319_2	01	2	4
6	Jhou	72454_2	72319_2	03	2	4
7	Jhou	72623_1	72527_2	01	1	4
8	Jhou	72623_1	72527_2	04	3	4
9	Jhou	72689_1	72541_5	02	2	4
10	Jhou	72689_1	72541_5	04	2	4
11	Jhou	72772_3	73572_2	05	2	4
12	Jhou	72772_3	73572_2	06	2	4
13	Jhou	72773_3	72808_2	05	2	4
14	Jhou	72773_3	72808_2	06	2	4
15	Jhou	72782_3	72778_4	04	2	4
16	Jhou	72782_3	72778_4	05	2	4
17	Jhou	72808_1	72777_2	05	2	4
18	Jhou	72808_1	72777_2	06	2	4
19	Jhou	72935_1	72807_2	05	2	4
20	Jhou	72935_1	72807_2	07	2	4
21	Jhou	73151_1	73398_1	07	2	4
22	Jhou	73151_1	73398_1	08	2	4
23	Jhou	73154_1	73167_2	08	2	4
24	Jhou	73154_1	73167_2	09	2	4
25	Jhou	73155_1	73182_2	06	2	4
26	Jhou	73155_1	73182_2	08	2	4
27	Jhou	73156_1	73377_1	08	2	4
28	Jhou	73156_1	73377_1	09	2	4
29	Jhou	73170_1	73436_1	08	2	4
30	Jhou	73170_1	73436_1	09	2	4
31	Jhou	73189_1	73376_1	08	2	4
32	Jhou	73189_1	73376_1	09	2	4
33	Jhou	73205_1	73439_1	08	2	4
34	Jhou	73205_1	73439_1	09	2	4
35	Jhou	73337_2	73340_2	04	1	3
36	Jhou	73337_2	73340_2	07	2	3
37	Jhou	73354_2	73358_2	05	2	4
38	Jhou	73354_2	73358_2	06	2	4

39	Jhou	73358_1	73360_1	05	2	4
40	Jhou	73358_1	73360_1	08	2	4
41	Jhou	73400_2	73410_1	08	2	4
42	Jhou	73400_2	73410_1	09	2	4
43	Jhou	73728_1	73692_2	09	2	3
44	Jhou	73728_1	73692_2	11	1	3
45	Jhou	73737_1	73667_2	10	2	4
46	Jhou	73737_1	73667_2	11	2	4
47	Jhou	73768_1	73668_2	10	2	4
48	Jhou	73768_1	73668_2	11	2	4
49	Mitchell	72782_3	72778_4	01	2	4
50	Mitchell	72782_3	72778_4	02	2	4
51	Mitchell	72784_1	72802_2	01	2	4
52	Mitchell	72784_1	72802_2	02	2	4
53	Mitchell	72803_1	72936_2	01	1	2
54	Mitchell	72803_1	72936_2	02	1	2
55	Mitchell	72808_1	72777_2	01	3	5
56	Mitchell	72808_1	72777_2	02	2	5
57	Mitchell	73325_1	73327_1	01	2	4
58	Mitchell	73325_1	73327_1	02	2	4
59	Mitchell	73382_1	73198_2	02	2	3
60	Mitchell	73382_1	73198_2	03	1	3
61	Mitchell	73439_2	73227_1	02	2	3
62	Mitchell	73439_2	73227_1	03	1	3
63	Olivier_Co	71822_2	71804_3	01	2	4
64	Olivier_Co	71822_2	71804_3	02	2	4
65	Olivier_Co	71829_2	71806_5	01	2	3
66	Olivier_Co	71829_2	71806_5	02	1	3
67	Olivier_Co	71836_2	71799_3	01	2	4
68	Olivier_Co	71836_2	71799_3	02	2	4
69	Olivier_Co	71839_2	71829_3	01	2	5
70	Olivier_Co	71839_2	71829_3	02	3	5
71	Olivier_Co	72529_2	72601_4	05	1	7
72	Olivier_Co	72529_2	72601_4	06	6	7
73	Olivier_Co	72531_2	72624_2	04	2	4
74	Olivier_Co	72531_2	72624_2	05	2	4
75	Olivier_Co	72532_1	72534_6	05	2	3
76	Olivier_Co	72532_1	72534_6	06	1	3
77	Olivier_Co	72535_1	72632_2	04	2	4
78	Olivier_Co	72535_1	72632_2	05	2	4

79	Olivier_Co	72538_3	72621_2	04	2	5
80	Olivier_Co	72538_3	72621_2	06	3	5
81	Olivier_Co	72540_5	72530_2	04	2	4
82	Olivier_Co	72540_5	72530_2	06	2	4
83	Olivier_Co	72543_5	72531_1	04	2	6
84	Olivier_Co	72543_5	72531_1	06	4	6
85	Olivier_Co	72593_5	72529_1	04	2	4
86	Olivier_Co	72593_5	72529_1	05	2	4
87	Olivier_Co	72601_3	72533_6	04	2	4
88	Olivier_Co	72601_3	72533_6	06	2	4
89	Olivier_Co	72626_5	72660_2	04	2	6
90	Olivier_Co	72626_5	72660_2	06	4	6
91	Olivier_Co	72656_1	72625_2	05	6	10
92	Olivier_Co	72656_1	72625_2	06	4	10
93	Olivier_Co	72663_1	72526_2	05	7	11
94	Olivier_Co	72663_1	72526_2	06	4	11
95	Olivier_Co	73688_1	73674_2	08	2	4
96	Olivier_Co	73688_1	73674_2	09	2	4
97	Olivier_Co	73744_1	73731_2	08	1	3
98	Olivier_Co	73744_1	73731_2	09	2	3
99	Olivier_Oxy	72532_1	72534_6	01	7	15
100	Olivier_Oxy	72532_1	72534_6	02	8	15
101	Olivier_Oxy	72540_5	72530_2	01	2	7
102	Olivier_Oxy	72540_5	72530_2	02	5	7
103	Olivier_Oxy	72619_1	72593_6	01	3	5
104	Olivier_Oxy	72619_1	72593_6	02	2	5
105	Olivier_Oxy	72689_1	72541_5	01	2	3
106	Olivier_Oxy	72689_1	72541_5	02	1	3
107	Olivier_Oxy	72808_1	72777_2	02	2	3
108	Olivier_Oxy	72808_1	72777_2	03	1	3
109	Olivier_Oxy	73688_1	73674_2	04	2	4
110	Olivier_Oxy	73688_1	73674_2	05	2	4
111	Olivier_Oxy	73744_1	73731_2	04	1	3
112	Olivier_Oxy	73744_1	73731_2	05	2	3