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**UNITED STATES DISTRICT COURT  
SOUTHERN DISTRICT OF NEW YORK**

-----X  
UNITED STATES OF AMERICA *ex rel.* :  
JOHN DOE, :  
 :  
 Plaintiff, :  
 :  
 v. :  
 :  
 COLUMBIA UNIVERSITY IN THE CITY OF :  
 NEW YORK, :  
 :  
 Defendant. :  
-----X

**13 Civ. 5028 (PAE)**  
**COMPLAINT-IN-  
INTERVENTION OF THE  
UNITED STATES**

-----X  
UNITED STATES OF AMERICA, :  
 :  
 Plaintiff-Intervenor, :  
 :  
 v. :  
 :  
 THE TRUSTEES OF COLUMBIA UNIVERSITY :  
 IN THE CITY OF NEW YORK, :  
 :  
 Defendant. :  
-----X

The United States of America (the “Government”), by its attorney Preet Bharara, United States Attorney for the Southern District of New York, alleges for its Complaint-In-Intervention as follows:

**Preliminary Statement**

1. The Government brings this Complaint-In-Intervention seeking damages and penalties against The Trustees of Columbia University in the City of New York (“Columbia”) under the False Claims Act, 31 U.S.C. §§ 3729 *et seq.* (the “FCA”), and, in the alternative, under the common law for payment under mistake of fact and unjust enrichment. From July 1, 2003 through June 30, 2015 (*i.e.*, fiscal years 2004 – 2015) (the “Relevant Period”), Columbia conducted research associated with certain federally sponsored research grants primarily in buildings not owned or operated by Columbia and improperly used its on-campus facilities and administrative rate (the “F&A Rate”) instead of the lower modified off-campus F&A Rate when seeking federal reimbursement for indirect costs associated with these grants. As a result, Columbia received excessive indirect cost recoveries from the Government for these federally sponsored grants.

**Jurisdiction and Venue**

2. This Court has subject matter jurisdiction over the Government’s claims under the FCA pursuant to 31 U.S.C. § 3730(a) and 28 U.S.C. §§ 1331 and 1345, and over the Government’s common law claims pursuant to 28 U.S.C. § 1345.

3. This Court may exercise personal jurisdiction over Columbia, and venue is proper in this District pursuant to 31 U.S.C. § 3732(a) as well as 28 U.S.C. §§ 1391(b), because Columbia resides and transacts business in the Southern District of New York.

**The Parties**

4. Plaintiff is the United States of America. Through the Department of Health and Human Services (“HHS”), the Government awards and administers federal research grants. HHS provides grant funding for medical research performed by academic institutions, including for the grants at issue, through the National Institutes of Health (“NIH”).

5. Defendant Columbia is a university located in New York, New York.

**OMB Circular A-21 and Indirect Cost Reimbursement**

6. OMB Circular No. A-21 (the “Circular”), codified at 2 C.F.R. Part 220 (Cost Principles for Educational Institutions (OMB Circular A-21)), establishes “principles for determining costs applicable to grants, contracts, and other agreements with educational institutions.” Circular, Preamble ¶ 1. The Circular is “designed to provide that the Federal Government bear its fair share of total costs.” *Id.*

7. The Circular governs, among other things, how educational institutions are reimbursed for direct and indirect costs for federally sponsored research grants. “Direct costs” refer to costs that “can be identified specifically with a particular sponsored project,” such as the salary of a principal investigator or the cost of materials used for a project. Circular, Section B.4. “Indirect costs,” which are also referred to as “facilities and administrative costs” or “F&A costs,” refer to costs “that are incurred for common or joint objectives and, therefore, cannot be identified readily and specifically” with work performed on a particular sponsored research project. Circular, Section E.1. The “facilities” component of F&A costs refers to “depreciation and use allowances, interest on debt associated with certain buildings, equipment and capital improvements, operation and maintenance expenses, and library expenses.” Circular, Section F.1. The “administrative” component refers to “general administration and general

expenses, departmental administration, sponsored projects administration, student administration and services, and all other types of expenditures not listed specifically under one of the subcategories of facilities cost.” *Id.*

8. By accepting NIH funding, educational institutions agree to comply with all applicable laws, regulations, and policies governing the use of the federal funds, including those that are intended to ensure costs charged to federal awards are permissible under cost allocation principles. As a general matter, educational institutions are only entitled to seek and receive federal reimbursement for actual costs incurred by the institution in support of federally sponsored grants.

9. Indirect costs are recovered through the application of a university’s F&A Rate for organized research, which is a percentage applied to a subset of direct costs incurred for a project (referred to as “Modified Total Direct Costs”) to determine the indirect cost recovery. As the “cognizant Federal agency” under the Circular, HHS is responsible for negotiating and approving the F&A Rates used by educational institutions.

10. HHS and educational institutions negotiate one F&A Rate for organized research that is primarily performed on-campus (“On-Campus F&A Rate”), and a separate F&A Rate for research that is primarily performed off-campus (“Off-Campus F&A Rate”). The On-Campus F&A Rate is typically more than double the Off-Campus F&A Rate to account for the fact that when conducting research off-campus educational institutions do not incur the indirect facilities-related costs (*e.g.*, maintenance and operations expenses) that they would otherwise incur if the activities were performed on-campus.

11. During the Relevant Period, Columbia’s On-Campus F&A Rate was approximately 61% and its Off-Campus F&A Rate was 26%. Columbia also negotiated a

modified Off-Campus F&A Rate with HHS, which included a small additional allowance for library costs and was to be applied to research conducted within a certain proximity of the Columbia campus (“Modified Off-Campus F&A Rate”). During the Relevant Period, Columbia’s Modified Off-Campus F&A Rate was 29.4%.

12. These rates were memorialized in a F&A Rate agreement executed by Columbia and HHS (the “F&A Rate Agreement”). The F&A Agreement states in pertinent part:

For all activities within a 50 mile radius of the campus and performed in facilities not owned and operated by the institution and to which rent is directly allocated to the project, the off-campus modified rate will apply. For all activities outside a 50 mile radius of campus the off campus rate will apply. Grants or contracts will not be subject to more than one indirect cost rate. If more than 50% of a project is performed off-campus, the appropriate off-campus rate will apply to the entire project.

**Defendant’s Improper Conduct**

13. Columbia has a collaborative relationship with the New York State Psychiatric Institute (“NYSPI”), a clinical research facility administered by the New York State Office of Mental Health (“OMH”). Columbia and NYSPI share certain staff, facilities, and equipment, and participate in joint research projects.

14. Columbia faculty perform research in two off-campus buildings owned by the State of New York and operated by NYSPI: (i) the Lawrence Kolb Research Building, located at 40 Haven Avenue in New York, New York (the “Kolb Building”); and (ii) the Herbert Pardes Building, located at 1051 Riverside Drive, New York, New York (the “Pardes Building”) (collectively, the “NYSPI Buildings”). Columbia faculty also perform research in another off-campus building owned and operated by the City of New York, located at 600 West 168<sup>th</sup> Street, New York, New York (the “City Building”).

15. For most of the Relevant Period, Columbia did not pay the State of New York for use of the NYSPI Buildings, and therefore did not incur indirect “facilities-related” costs with respect to the medical research performed in these buildings.<sup>1</sup> Similarly, Columbia did not pay the City of New York for use of the City Building.

16. During the Relevant Period, Columbia received NIH funding for 423 grants where the research primarily took place in the off-campus NYSPI Buildings or the off-campus City Building (the “NIH Grants”). Columbia improperly applied the On-Campus F&A Rate — instead of the much lower Modified Off-Campus F&A Rate — when seeking indirect cost reimbursements from NIH for the NIH Grants. As a result, Columbia’s sought and received excessive indirect cost recoveries from NIH. The NIH Grants are listed in Exhibit A, attached hereto.

17. Columbia’s practice of using the On-Campus F&A Rate to calculate the indirect cost reimbursements sought for the NIH Grants was contrary to the cost principles set forth in the Circular. A grantee is not permitted to recover indirect costs at the On-Campus F&A Rate if it does not incur costs relating to the space where the research is conducted, as Columbia did here.

18. During the Relevant Period, to obtain indirect cost reimbursements, Columbia periodically submitted to NIH certified Federal Financial Reports (“FFRs”) that improperly applied the On-Campus F&A Rate to calculate the indirect cost amounts claimed by the university. The certified FFRs signed by Columbia stated that they were “true, complete, and accurate.” At the time that Columbia submitted the FFRs for the NIH Grants, the university knew that it did not own or operate the NYSPI Buildings or the City Building where the research

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<sup>1</sup> Starting in July 2011, shortly after the Office of the State Comptroller issued a report recommending that OMH seek fair consideration from Columbia for its ongoing use of state-owned facilities, Columbia began reimbursing New York State for the operating expenses, utilities, and telephone costs associated with space used in the Pardes Building.

was being primarily performed and did not incur any costs relating to those spaces for most of the Relevant Period, but nevertheless sought reimbursement based on the On-Campus F&A Rate.

19. During the Relevant Period, Columbia did not disclose to HHS, including NIH, that it did not own or operate the NYSPI Buildings or the City Building and did not pay facilities-related costs for the space. For example, Columbia did not disclose this fact in the F&A Rate proposal it submitted to HHS or during the subsequent lengthy F&A Rate negotiations that took place between the university and HHS. If NIH had known that Columbia did not own or operate the NYSPI Buildings and the City Building, it would not have paid Columbia indirect cost reimbursements at the On-Campus F&A Rate for the NIH Grants.

20. Furthermore, Columbia did not state on the applications for the NIH Grants that the research would be primarily performed off-campus. HHS' guide for preparing these applications states that "the Primary Location should be that of the applicant organization or identified as off-site in accordance with the conditions of the applicant organization's negotiated Facilities and Administrative (F&A) agreement." SF424 (R&R) Application Guide for NIH and Other PHS Agencies, Section 4.3. However, Columbia did not designate the NIH Grants as off-site and instead frequently included the main address for the College of Physicians & Surgeons in the section of the application that was supposed to list the primary performance location. Even where the NYSPI Buildings or the City Building were listed in that section of the grant application, or mentioned elsewhere in the application, Columbia failed to disclose that these buildings were not owned and operated by the university.

21. During the Relevant Period, Columbia personnel questioned whether it was appropriate to apply the On-Campus F&A Rate to the NIH Grants based on their understanding that the NYSPI Buildings were off-campus locations. Notwithstanding these internal concerns,

Columbia continued to apply the On-Campus F&A Rate to the NIH Grants and did not reach out to HHS to discuss the propriety of this practice.

22. Starting in fiscal year 2009, in lieu of paying rent for use of the Kolb Building, Columbia paid NYSPI a portion of the inflated indirect cost recoveries it received from NIH for research projects performed in the Kolb Building.

23. NIH agreed to calculate Columbia's indirect cost recoveries for the NIH Grants by applying the On-Campus F&A Rate based on its incorrect understanding that the research was being performed at sites owned and operated by Columbia. If NIH had known that the research was being performed in facilities owned and operated by the State of New York and City of New York and that Columbia was not incurring indirect "facility-related" costs in connection with these projects, NIH would have applied the much lower Modified Off-Campus F&A Rate to the NIH Grants.

### **FIRST CLAIM**

#### **Violations of the False Claims Act: Presenting False Claims for Payment (31 U.S.C. § 3729(a)(1)(2000), and, as amended, 31 U.S.C. § 3729(a)(1)(A))**

24. The United States incorporates by reference paragraphs 1 through 23 above as if fully set forth in this paragraph.

25. The United States seeks relief against Columbia under Section 3729(a)(1) of the FCA, 31 U.S.C. § 3729(a)(1)(2000), and, as amended, 31 U.S.C. § 3729(a)(1)(A).

26. In seeking and receiving indirect cost recoveries for the NIH Grants that were calculated based on the improper application of the On-Campus F&A Rate, Columbia presented false or fraudulent claims for payment or approval in violation of 31 U.S.C. § 3729(a)(1)(2000), and, as amended, 31 U.S.C. § 3729(a)(1)(A).



27. By reason of the false or fraudulent claims that Columbia knowingly presented, the United States has been damaged in a substantial amount to be determined at trial, and is entitled to recover treble damages plus a civil monetary penalty for each false claim.

### **SECOND CLAIM**

#### **Violations of the False Claims Act: Use of False Statements (31 U.S.C. § 3729(a)(2)(2000) and, as amended, 31 U.S.C. § (a)(1)(B)(Supp. 2009))**

28. The United States incorporates by reference paragraphs 1 through 23 above as if fully set forth in this paragraph.

29. The United States seeks relief against Columbia under Section 3729(a)(2) of the FCA, 31 U.S.C. § 3729(a)(2)(2000) and, as amended, 31 U.S.C. § 3729(a)(1)(B)(Supp. 2009).

30. In seeking and receiving indirect cost recoveries for the NIH Grants that were calculated based on the improper application of the On-Campus F&A Rate, Columbia made, used, and caused to be made and used, false records or statements that were material to getting false or fraudulent claims paid.

31. By reason of these false records or statements, the United States has been damaged in a substantial amount to be determined at trial and is entitled to recover treble damages plus a civil monetary penalty for each false record or statement.

### **THIRD CLAIM**

#### **Payment by Mistake of Fact**

32. The Government incorporates by reference paragraphs 1 through 23 above as though fully set forth in this paragraph.

33. The Government seeks relief against Columbia to recover monies paid under mistake of fact.

34. The Government made payments to Columbia in connection with the indirect costs associated with the NIH Grants based on a mistaken and erroneous understanding that the research associated with these grants was being primarily performed on Columbia's campus in facilities owned and operated by Columbia and that Columbia was incurring indirect "facility-related" costs in connection with these grants.

35. This erroneous belief was material to the Government's calculation of the amount of indirect cost payments paid to Columbia in connection with the NIH Grants. If NIH had known that the research associated with the NIH Grants was being performed in facilities owned and operated by the State of New York and the City of New York and that Columbia was not incurring indirect "facility-related" costs in connection with these grants, NIH would have used the Modified Off-Campus F&A Rate to calculate the indirect costs payments for the NIH Grants, which would have resulted in lower payments to Columbia.

36. By reason of the foregoing, the Government has sustained damages in a substantial amount to be determined at trial.

#### **FOURTH CLAIM**

##### **Unjust Enrichment**

37. The Government incorporates by reference paragraphs 1 through 23 above as though fully set forth in this paragraph

38. In seeking and receiving indirect cost recoveries for the NIH Grants that were calculated based on the improper application of the On-Campus F&A Rate, Columbia received money to which it was not entitled and therefore was unjustly enriched. The circumstances of these payments are such that, in equity and good conscience, Columbia should not retain these payments, the amount of which is to be determined at trial

**PRAYER FOR RELIEF**

WHEREFORE, plaintiff, the United States, requests that judgment be entered in its favor as follows:

- (a) On the First and Second Claims for relief (violations of the FCA, 31 U.S.C. §§ 3729(a)(1) and 3729(a)(2) and, as amended, 31 U.S.C. §§ 3729(a)(1)(A) and 3729(a)(1)(B)), a judgment against Columbia for treble the United States' damages, in an amount to be determined at trial, plus an \$11,000 penalty for each false claim submitted in violation of the FCA;
- (b) On the First and Second Claims for relief, an award of costs pursuant to 31 U.S.C. § 3729(a)(3);
- (c) On the Third Claim for relief (Payment Under Mistake of Fact), a judgment in an amount to be determined at trial, together with costs and interest;
- (d) On the Fourth Claim for relief (Unjust Enrichment), a judgment in an amount to be determined at trial, together with costs and interest; and
- (e) Such further relief as is proper.

Dated: New York, New York  
July 11, 2016

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# EXHIBIT A

**Exhibit A**

**Covered Grants**

	<b><u>Grant Number</u></b>
1	1006609-1-24393
2	200SGV810
3	A06795 M-08-154
4	A07216 M07A00249
5	AA011293
6	AA017862
7	AG005213
8	AG017761
9	AG041795
10	AG043688
11	AI042848
12	AIR SC-03-02054-008
13	ASPH S2133-22/23S1
14	BRPI CU11-1189
15	CA072647
16	CA102484
17	CA109551
18	CA114064
19	CA133595
20	CA172814
21	CASAC CU13-3389
22	CCWRU CU09
23	CE000731
24	CNYCF 1R34MH096854-01A1COL
25	CU514107
26	CU514922
27	CU518621
28	CU519769
29	CU519938
30	CU5207
31	CU52109501
32	CU52112802
33	CU52123301
34	CU52190801

35 CU521993  
36 CU522010  
37 CU522205  
38 CU522263  
39 CU522358  
40 CU522369  
41 CU522484  
42 CU522517  
43 CU522721  
44 CU522818  
45 CU523056  
46 CUMC 09020215  
47 CUMC 120100300  
48 CUMC 12070954-01  
49 DA010755  
50 DA012874  
51 DA014055  
52 DA017293  
53 DA019399  
54 DA020733  
55 DA021108  
56 DA021242  
57 DA022455  
58 DA023650  
59 DA024001  
60 DA025250  
61 DA027124  
62 DA027777  
63 DA030095  
64 DA030459  
65 DA035485  
66 DA036226  
67 DA038530  
68 DA06234  
69 DA09862  
70 DAMD17-03-1-0148  
71 DARTC 5-30365.570  
72 DE-FG02-07ER64334  
73 DFCI 1154001  
74 DK031813

75 DK060148  
76 DREXEL 232547-3684  
77 DUKEU 2032500  
78 EB00416201A2  
79 EB006855  
80 EPA RD-83284801-1  
81 ES010922  
82 ES011601  
83 ES013308  
84 ES014400  
85 ES015347  
86 ES016074  
87 ES017875  
88 ES019004  
89 ES019670  
90 EY01001  
91 EY011001  
92 EY013435  
93 EY013759  
94 EY014978  
95 EY015634  
96 EY017039  
97 EY017938  
98 EY019007  
99 EY019500  
100 EY020631  
101 F013474  
102 FHI 630-5  
103 FHI PO15000459  
104 GBNEU0169BJ  
105 GHC 2012119722  
106 GM062246  
107 GM070934  
108 HD046786  
109 HD055155  
110 HD061940  
111 HD071561  
112 HD075664  
113 HD55155  
114 HG002806

115 HG005535  
116 HG006596  
117 HG007257  
118 HHSN271201200543P  
119 HJF 661110  
120 HJFAMM 671292  
121 HL065568  
122 HL077096  
123 HL081131  
124 HL088942  
125 HS013738  
126 HSC 3210515046  
127 JH 2001003650  
128 JHU 2002342875  
129 MD004768-02  
130 MGH 217153  
131 MH026212  
132 MH036197  
133 MH040210  
134 MH040695  
135 MH042206  
136 MH045923  
137 MH048514  
138 MH048850  
139 MH050733  
140 MH058754  
141 MH059244  
142 MH060249  
143 MH060387-10  
144 MH060970-01A2 SC3  
145 MH061399-07  
146 MH061530-03  
147 MH061906-03  
148 MH062155-03  
149 MH063852-04  
150 MH064092-08  
151 MH066058-03  
152 MH066620-02  
153 MH067068-06  
154 MH067761-01A2



155 MH067912-02  
156 MH071430  
157 MH073640  
158 MH073728  
159 MH073821  
160 MH073915  
161 MH074118  
162 MH076137  
163 MH077156  
164 MH077161  
165 MH078993  
166 MH079439  
167 MH079488  
168 MH079905  
169 MH080022  
170 MH080745  
171 MH081107  
172 MH081153  
173 MH081968  
174 MH082017  
175 MH08225501  
176 MH084029  
177 MH084241  
178 MH085227  
179 MH086385  
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186 MH091276  
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190 MH091553  
191 MH091590  
192 MH092250  
193 MH093338  
194 MH093637

195 MH093672  
196 MH093936  
197 MH096132  
198 MH096274  
199 MH096784  
200 MH098039  
201 MH098786  
202 MH099251  
203 MH099265  
204 MH099322  
205 MH104602  
206 MH48858  
207 MH50733  
208 MH59602  
209 MH63264  
210 MH96132  
211 MSKCC BD513579  
212 MSSM 0255-5881-4609  
213 MSSM 0255-6211-4609  
214 MSSM 0255-7432-4609  
215 MUSC 07-1657  
216 MUSC CU07-1662  
217 MUSC MH069887-01-01  
218 MWRI 26-3301-4286  
219 MWRI 4341  
220 MWRI 7279  
221 MWRI 9252  
222 MWRI 9336  
223 NBER 323552000799617700  
224 NR010474  
225 NR010822  
226 NS029255  
227 NS036658  
228 NS036835  
229 NS041603  
230 NS042159  
231 NS051566  
232 NS064004  
233 NS083037  
234 NS083690

235 NS089456  
236 NS38636  
237 NSUH 11027  
238 NWU 0600 520 S308 34  
239 NYU CU11-2639  
240 NYU F7107  
241 NYUMC 08-1159  
242 NYUMC CU12-1700  
243 OD000114  
244 OH004269  
245 OH007432  
246 OH008215  
247 OH04269  
248 ORHSUN 1002304  
249 ORHSUN CU11-0385  
250 P003427501  
251 RFCUNY 41750B  
252 RFCUNY 41848-A  
253 RFMH #24619  
254 RFMH #24756  
255 RFMH #24891  
256 RFMH #25200  
257 RFMH #25237  
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259 RFMH #25310  
260 RFMH #8690  
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262 RFMH 1007967-1-24812  
263 RFMH 1008564/24989  
264 RFMH 25034  
265 RFMH 25038  
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268 RFMH 25207  
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271 RFMH 25304  
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286 RFMH 25962  
287 RFMH 25998  
288 RFMH 26184  
289 RFMH CU08-7508  
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292 RFMH CU09-4672  
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294 RFMH CU10-2772  
295 RFMH CU11-2347  
296 RFMH CU11-2560  
297 RFMH#101438  
298 RFMH#101567  
299 RIH 701-5530  
300 RR024156-04S2 S5  
301 RUTGER 4099  
302 SDHRF-2007-03  
303 SRFMH 903-1561D  
304 SRFMH 1003593/2/2323  
305 SRFMH 1004300/1/2370  
306 SRFMH 1004341/6/2372  
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309 SRFMH 114780  
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322 SRFMH 25484  
323 SRFMH 25760  
324 SRFMH 25771  
325 SRFMH 25781  
326 SRFMH 25824  
327 SRFMH 88975  
328 SRFMH 89613  
329 SRFMH 903-1318X  
330 SRFMH 903-1546C  
331 SRFMH 903-1585A  
332 SRFMH 903-1711E  
333 SRFMH CU07-1868  
334 SRFMH CU08-9228  
335 SRFMH CU09-1603  
336 SRFMH CU09-3133  
337 SRFMH CU10-2265  
338 SRFMH CU10-3765  
339 SRFMH N01DA-5552  
340 SRFMH-07-1820  
341 SUNYOPT 580-41135  
342 SUNYRF 44042  
343 TULANE CU08-4476  
344 TUL-HSC-120-08/09  
345 TUL-HSC-3222-10/11  
346 TUSM 5007836-SERV  
347 UCHICA 37137  
348 UCHICA 43359-5-31486-8608  
349 UCSF 138342-4000  
350 UCSF 4026SC  
351 UCSF 4972SC  
352 UCSF 557416-29863  
353 UFLRDA UF11169  
354 UMARY CU12-1520

355 UMARY CU12-1680  
356 UMARY CU12-1681  
357 UMARY CU12-1828  
358 UMARY PO#S00002276  
359 UMARY SR00002274  
360 UMARY SR00002275  
361 UMASS 6088143/RFS800  
362 UMASS 6114667/RF9002  
363 UMASS 6114667/RF900210  
364 UMASS 6116829/RFS900  
365 UMD SR00002273  
366 UMIAMI CU09-2629  
367 UMICHG 3000818901  
368 UMICHG 3000971404  
369 UMICHG 3001392918  
370 UMINN N634619702  
371 UMINN P663658701  
372 UNC-CH 5-30772  
373 UPENN 559189  
374 UPMC 0025282(123087-2)  
375 URMC 415292-G  
376 USOC 11-1853  
377 WSU10058  
378 YU A07570 M07A00249  
379 YU A07902 M07A00249  
380 YU CU10-0193  
381 YU MI2A11309  
382 CU52248501  
383 CU52248601  
384 MH062089  
385 MH074813  
386 MH54793  
387 SRFMH 1004344-9-2372  
388 SRFMH 1005414/1/2403  
389 SRFMH 10054142/5/240  
390 SRFMH 1006611-2-2439  
391 SRFMH 1006604-5-2439  
392 SRFMH 1006604-5-24392  
393 SRFMH 1006611-3-2439  
394 SRFMH 25461

395 SRFMH 25762  
396 SRFMH CU08-4091  
397 SRFMH CU08-7402  
398 SRFMH CU51896802  
399 SRFMH-24388  
400 TUL-HSC-120-09/10  
401 TUL-HSC-3222-14/15  
402 UCLA 2000-S-GV810  
403 UCSD CU08-4471  
404 UCSF CU07-1900  
405 UMARY 00-0353  
406 UMASS 6114667/RFS900  
407 UMASS CU08-0474  
408 UOFNC CU08-4478  
409 UPENN 564260  
410 UTSWMC GMO-000025  
411 OD017908  
412 OD019897  
413 MH090356  
414 BARNARD R01-068073-CU  
415 CUMC 15070987  
416 RFCUNY 41896A  
417 RFMH 25004  
418 RFMH 25834  
419 RFMH 25939  
420 RFMH 26054  
421 UCI No.2014-3142  
422 UCL CU14-1548  
423 UMASS WA00250104/RFS2015109