

| Round | Pick | Team | Last Name | First Name | Position | MLB Team | Overall |
|-------|------|-----------|-------------|------------|----------|----------|---------|
| 1 | 1 | JETS | Kemp | Matt | OF | LAD | 1 |
| 1 | 2 | RIFF RAFF | Tulowitzki | Troy | SS | COL | 2 |
| 1 | 3 | OYSTERS | Pence | Hunter | OF | PHI | 3 |
| 1 | 4 | TUFFYS | Rollins | Jimmy | SS | PHI | 4 |
| 1 | 5 | WHITE SOX | Victorino | Shane | OF | PHI | 5 |
| 1 | 6 | KNICKS | Bourn | Michael | OF | ATL | 6 |
| 1 | 7 | WORKS | Weeks | Rickie | 2B | MIL | 7 |
| 1 | 8 | MOOSE | Sandoval | Pablo | 3B | SAN | 8 |
| 1 | 9 | LEMURS | Cudoyer | Michael | OF | COL | 9 |
| 2 | 1 | LEMURS | Berkman | Lance | 1B | STL | 10 |
| 2 | 2 | MOOSE | Ugla | Dan | 2B | ATL | 11 |
| 2 | 3 | WORKS | Hart | Corey | OF | MIL | 12 |
| 2 | 4 | KNICKS | Werth | Jayson | OF | WAS | 13 |
| 2 | 5 | WHITE SOX | Ramirez | Aramis | 3B | MIL | 14 |
| 2 | 6 | TUFFYS | Heyward | Jason | OF | ATL | 15 |
| 2 | 7 | OYSTERS | Cabrera | Melky | OF | SAN | 16 |
| 2 | 8 | RIFF RAFF | Cain | Matt | P | SAN | 17 |
| 2 | 9 | JETS | Beltran | Carlos | OF | STL | 18 |
| 3 | 1 | JETS | Posey | Buster | C | SAN | 19 |
| 3 | 2 | RIFF RAFF | Papelbon | Jonathan | P | PHI | 20 |
| 3 | 3 | OYSTERS | Bonifacio | Emilio | OF | MIA | 21 |
| 3 | 4 | TUFFYS | Kennedy | Ian | P | ARI | 22 |
| 3 | 5 | WHITE SOX | Montero | Miguel | C | ARI | 23 |
| 3 | 6 | KNICKS | Prado | Martin | 2B | ATL | 24 |
| 3 | 7 | WORKS | Gordon | Dee | SS | LAD | 25 |
| 3 | 8 | MOOSE | Freeman | Freddie | 1B | ATL | 26 |
| 3 | 9 | LEMURS | Freese | David | 3B | STL | 27 |
| 4 | 1 | LEMURS | Davis | Ike | 1B | NYM | 28 |
| 4 | 2 | MOOSE | Goldschmidt | Paul | 1B | ARI | 29 |
| 4 | 3 | WORKS | Axford | John | P | MIL | 30 |
| 4 | 4 | KNICKS | Lee | Carlos | OF | HOU | 31 |
| 4 | 5 | WHITE SOX | Desmond | Ian | SS | WAS | 32 |
| 4 | 6 | TUFFYS | Walker | Neil | 2B | PIT | 33 |
| 4 | 7 | OYSTERS | Soriano | Alfonso | OF | CHC | 34 |
| 4 | 8 | RIFF RAFF | Pagan | Angel | OF | SAN | 35 |
| 4 | 9 | JETS | Fowler | Dexter | OF | COL | 36 |
| 5 | 1 | JETS | Martinez | J.D. | OF | HOU | 37 |
| 5 | 2 | RIFF RAFF | Morrison | Logan | OF | MIA | 38 |
| 5 | 3 | OYSTERS | Duda | Lucas | OF | NYM | 39 |
| 5 | 4 | TUFFYS | Tabata | Jose | OF | PIT | 40 |
| 5 | 5 | WHITE SOX | Sanchez | Gaby | 1B | MIA | 41 |
| 5 | 6 | KNICKS | Bay | Jason | OF | NYM | 42 |
| 5 | 7 | WORKS | Mayberry | John | OF | PHI | 43 |
| 5 | 8 | MOOSE | Furcal | Rafael | SS | STL | 44 |
| 5 | 9 | LEMURS | Espinosa | Danny | 2B | WAS | 45 |
| 6 | 1 | LEMURS | Molina | Yadier | C | STL | 46 |
| 6 | 2 | MOOSE | Bumgarner | Madison | P | SAN | 47 |
| 6 | 3 | WORKS | Kubel | Jason | OF | ARI | 48 |
| 6 | 4 | KNICKS | Marshall | Sean | P | CIN | 49 |
| 6 | 5 | WHITE SOX | Putz | J.J. | P | ARI | 50 |
| 6 | 6 | TUFFYS | Greinke | Zack | P | MIL | 51 |

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|----|-------------|-------------|----------|----|-----|-----|
| 6 | 7 OYSTERS | Roberts | Ryan | 2B | ARI | 52 |
| 6 | 8 RIFF RAFF | Hill | Aaron | 2B | ARI | 53 |
| 6 | 9 JETS | Headley | Chase | 3B | SAN | 54 |
| 7 | 1 JETS | LaRoche | Adam | 1B | WAS | 55 |
| 7 | 2 RIFF RAFF | Loney | James | 1B | LAD | 56 |
| 7 | 3 OYSTERS | Venable | Will | OF | SAN | 57 |
| 7 | 4 TUFFYS | Garza | Matt | P | CHC | 58 |
| 7 | 5 WHITE SOX | Craig | Allen | OF | STL | 59 |
| 7 | 6 KNICKS | Infante | Omar | 2B | MIA | 60 |
| 7 | 7 WORKS | Huff | Aubrey | 1B | SAN | 61 |
| 7 | 8 MOOSE | Scutaro | Marco | SS | COL | 62 |
| 7 | 9 LEMURS | Morgan | Nyjer | OF | MIL | 63 |
| 8 | 1 LEMURS | Hernandez | Ramon | C | COL | 64 |
| 8 | 2 MOOSE | Presley | Alex | OF | PIT | 65 |
| 8 | 3 WORKS | Schafer | Jordan | OF | HOU | 66 |
| 8 | 4 KNICKS | Soto | Geovany | C | CHC | 67 |
| 8 | 5 WHITE SOX | Guerra | Javy | P | LAD | 68 |
| 8 | 6 TUFFYS | Gamel | Mat | 3B | MIL | 69 |
| 8 | 7 OYSTERS | Buck | John | C | MIA | 70 |
| 8 | 8 RIFF RAFF | Utley | Chase | 2B | PHI | 71 |
| 8 | 9 JETS | Hanrahan | Joel | P | PIT | 72 |
| 9 | 1 JETS | Strasburg | Stephen | P | WAS | 73 |
| 9 | 2 RIFF RAFF | Howard | Ryan | 1B | PHI | 74 |
| 9 | 3 OYSTERS | Ramos | Wilson | C | WAS | 75 |
| 9 | 4 TUFFYS | Jay | Jon | OF | STL | 76 |
| 9 | 5 WHITE SOX | LaHair | Bryan | 1B | CHC | 77 |
| 9 | 6 KNICKS | Belt | Brandon | 1B | SAN | 78 |
| 9 | 7 WORKS | Gonzalez | Gio | P | WAS | 79 |
| 9 | 8 MOOSE | Heisey | Chris | OF | CIN | 80 |
| 9 | 9 LEMURS | Betancourt | Rafael | P | COL | 81 |
| 10 | 1 LEMURS | Street | Huston | P | SAN | 82 |
| 10 | 2 MOOSE | Lucroy | Jonathan | C | MIL | 83 |
| 10 | 3 WORKS | Cozart | Zack | SS | CIN | 84 |
| 10 | 4 KNICKS | Byrd | Marlon | OF | CHC | 85 |
| 10 | 5 WHITE SOX | Motte | Jason | P | STL | 86 |
| 10 | 6 TUFFYS | Zimmermann | Jordan | P | WAS | 87 |
| 10 | 7 OYSTERS | Lincecum | Tim | P | SAN | 88 |
| 10 | 8 RIFF RAFF | Helton | Todd | 1B | COL | 89 |
| 10 | 9 JETS | Murphy | Daniel | 1B | NYM | 90 |
| 11 | 1 JETS | Drew | Stephen | SS | ARI | 91 |
| 11 | 2 RIFF RAFF | Stewart | Ian | 3B | CHC | 92 |
| 11 | 3 OYSTERS | Cueto | Johnny | P | CIN | 93 |
| 11 | 4 TUFFYS | Ruiz | Carlos | C | PHI | 94 |
| 11 | 5 WHITE SOX | Quentin | Carlos | OF | SAN | 95 |
| 11 | 6 KNICKS | Pastornicky | Tyler | SS | ATL | 96 |
| 11 | 7 WORKS | Jones | Chipper | 3B | ATL | 97 |
| 11 | 8 MOOSE | DeJesus | David | OF | CHC | 98 |
| 11 | 9 LEMURS | Altuve | Jose | 2B | HOU | 99 |
| 12 | 1 LEMURS | Wainwright | Adam | P | STL | 100 |
| 12 | 2 MOOSE | Alonso | Yonder | 1B | SAN | 101 |
| 12 | 3 WORKS | Francisco | Frank | P | NYM | 102 |
| 12 | 4 KNICKS | Gonzalez | Alex | SS | MIL | 103 |

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|----|---|-----------|-------------|-----------|----|-----|-----|
| 12 | 5 | WHITE SOX | Jones | Garrett | 1B | PIT | 104 |
| 12 | 6 | TUFFYS | Rolen | Scott | 3B | CIN | 105 |
| 12 | 7 | OYSTERS | Ellis | Mark | 2B | LAD | 106 |
| 12 | 8 | RIFF RAFF | Ludwick | Ryan | OF | CIN | 107 |
| 12 | 9 | JETS | Hundley | Nick | C | SAN | 108 |
| 13 | 1 | JETS | Rivera | Juan | OF | LAD | 109 |
| 13 | 2 | RIFF RAFF | Barajas | Rod | C | PIT | 110 |
| 13 | 3 | OYSTERS | Lowrie | Jed | SS | HOU | 111 |
| 13 | 4 | TUFFYS | Marmol | Carlos | P | CHC | 112 |
| 13 | 5 | WHITE SOX | Bartlett | Jason | SS | SAN | 113 |
| 13 | 6 | KNICKS | Thole | Josh | C | NYM | 114 |
| 13 | 7 | WORKS | Gallardo | Yovani | P | MIL | 115 |
| 13 | 8 | MOOSE | Bogusevic | Brian | OF | HOU | 116 |
| 13 | 9 | LEMURS | Johnson | Josh | P | MIA | 117 |
| 14 | 1 | LEMURS | Hudson | Daniel | P | ARI | 118 |
| 14 | 2 | MOOSE | Pierre | Juan | OF | PHI | 119 |
| 14 | 3 | WORKS | Santana | Johan | P | NYM | 120 |
| 14 | 4 | KNICKS | Polanco | Placido | 3B | PHI | 121 |
| 14 | 5 | WHITE SOX | Latos | Mat | P | CIN | 122 |
| 14 | 6 | TUFFYS | Sanchez | Anibal | P | MIA | 123 |
| 14 | 7 | OYSTERS | Worley | Vance | P | PHI | 124 |
| 14 | 8 | RIFF RAFF | Myers | Brett | P | HOU | 125 |
| 14 | 9 | JETS | Billingsley | Chad | P | LAD | 126 |
| 15 | 1 | JETS | Guzman | Jesus | 3B | SAN | 127 |
| 15 | 2 | RIFF RAFF | Harper | Bryce | OF | WAS | 128 |
| 15 | 3 | OYSTERS | Luebke | Cory | P | SAN | 129 |
| 15 | 4 | TUFFYS | Clippard | Tyler | P | WAS | 130 |
| 15 | 5 | WHITE SOX | Rodriguez | Wandy | P | HOU | 131 |
| 15 | 6 | KNICKS | Jansen | Kenley | P | LAD | 132 |
| 15 | 7 | WORKS | Mesoraco | Devin | C | CIN | 133 |
| 15 | 8 | MOOSE | Garcia | Jaime | P | STL | 134 |
| 15 | 9 | LEMURS | Torres | Andres | OF | NYM | 135 |
| 16 | 1 | LEMURS | Storen | Drew | P | WAS | 136 |
| 16 | 2 | MOOSE | Rodriguez | Henry | P | WAS | 137 |
| 16 | 3 | WORKS | Johnson | Chris | 3B | HOU | 138 |
| 16 | 4 | KNICKS | Romo | Sergio | P | SAN | 139 |
| 16 | 5 | WHITE SOX | Beachy | Brandon | P | ATL | 140 |
| 16 | 6 | TUFFYS | Wigginton | Ty | 3B | PHI | 141 |
| 16 | 7 | OYSTERS | Lilly | Ted | P | LAD | 142 |
| 16 | 8 | RIFF RAFF | Venters | Jonny | P | ATL | 143 |
| 16 | 9 | JETS | Hanson | Tommy | P | ATL | 144 |
| 17 | 1 | JETS | Cahill | Trevor | P | ARI | 145 |
| 17 | 2 | RIFF RAFF | Salas | Fernando | P | STL | 146 |
| 17 | 3 | OYSTERS | Buehrle | Mark | P | MIA | 147 |
| 17 | 4 | TUFFYS | Hudson | Orlando | 2B | SAN | 148 |
| 17 | 5 | WHITE SOX | Norris | Bud | P | HOU | 149 |
| 17 | 6 | KNICKS | Lidge | Brad | P | WAS | 150 |
| 17 | 7 | WORKS | Jurrjens | Jair | P | ATL | 151 |
| 17 | 8 | MOOSE | Castro | Jason | C | HOU | 152 |
| 17 | 9 | LEMURS | Marcum | Shaun | P | MIL | 153 |
| 18 | 1 | LEMURS | Rodriguez | Francisco | P | MIL | 154 |
| 18 | 2 | MOOSE | Chapman | Aroldis | P | CIN | 155 |

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|----|-------------|-------------|----------|----|-----|-----|
| 18 | 3 WORKS | Lohse | Kyle | P | STL | 156 |
| 18 | 4 KNICKS | Brothers | Rex | P | COL | 157 |
| 18 | 5 WHITE SOX | McDonald | James | P | PIT | 158 |
| 18 | 6 TUFFYS | Volquez | Edinson | P | SAN | 159 |
| 18 | 7 OYSTERS | Hudson | Tim | P | ATL | 160 |
| 18 | 8 RIFF RAFF | Hanigan | Ryan | C | CIN | 161 |
| 18 | 9 JETS | Dempster | Ryan | P | CHC | 162 |
| 19 | 1 JETS | Niese | Jonathon | P | NYM | 163 |
| 19 | 2 RIFF RAFF | Bastardo | Antonio | P | PHI | 164 |
| 19 | 3 OYSTERS | Dickey | R.A. | P | NYM | 165 |
| 19 | 4 TUFFYS | Ellis | A.J. | C | LAD | 166 |
| 19 | 5 WHITE SOX | Capuano | Chris | P | LAD | 167 |
| 19 | 6 KNICKS | Sanchez | Eduardo | P | STL | 168 |
| 19 | 7 WORKS | Stauffer | Tim | P | SAN | 169 |
| 19 | 8 MOOSE | Bernadina | Roger | OF | WAS | 170 |
| 19 | 9 LEMURS | Jackson | Edwin | P | WAS | 171 |
| 20 | 1 LEMURS | Young | Eric | 2B | COL | 172 |
| 20 | 2 MOOSE | Nolasco | Ricky | P | MIA | 173 |
| 20 | 3 WORKS | Arroyo | Bronson | P | CIN | 174 |
| 20 | 4 KNICKS | Samardzija | Jeff | P | CHC | 175 |
| 20 | 5 WHITE SOX | Kottaras | George | C | MIL | 176 |
| 20 | 6 TUFFYS | Leake | Mike | P | CIN | 177 |
| 20 | 7 OYSTERS | Vogelsong | Ryan | P | SAN | 178 |
| 20 | 8 RIFF RAFF | Gregerson | Luke | P | SAN | 179 |
| 20 | 9 JETS | Uribe | Juan | 2B | LAD | 180 |
| 21 | 1 JETS | Westbrook | Jake | P | STL | 181 |
| 21 | 2 RIFF RAFF | McClellan | Kyle | P | STL | 182 |
| 21 | 3 OYSTERS | Chacin | Jhoulys | P | COL | 183 |
| 21 | 4 TUFFYS | Lynn | Lance | P | STL | 184 |
| 21 | 5 WHITE SOX | Hernandez | David | P | ARI | 185 |
| 21 | 6 KNICKS | Arredondo | Jose | P | CIN | 186 |
| 21 | 7 WORKS | Schierholtz | Nate | OF | SAN | 187 |
| 21 | 8 MOOSE | Carpenter | David | P | HOU | 188 |
| 21 | 9 LEMURS | Carpenter | Chris | P | STL | 189 |
| 22 | 1 LEMURS | Lopez | Wilton | P | HOU | 190 |
| 22 | 2 MOOSE | Wolf | Randy | P | MIL | 191 |
| 22 | 3 WORKS | Blanton | Joe | P | PHI | 192 |
| 22 | 4 KNICKS | Blanks | Kyle | OF | SAN | 193 |
| 22 | 5 WHITE SOX | Alvarez | Pedro | 3B | PIT | 194 |
| 22 | 6 TUFFYS | Mujica | Edward | P | MIA | 195 |
| 22 | 7 OYSTERS | Ankiel | Rick | OF | WAS | 196 |
| 22 | 8 RIFF RAFF | Gwynn Jr. | Tony | OF | LAD | 197 |
| 22 | 9 JETS | Minor | Mike | P | ATL | 198 |
