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| Forward primer | | | | | 5' GCCTAACACATGCAAGTC 3' |
| Reverse primer | | | | | 5' ATTACCGCGGCTGCTGG 3' |
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| Sample | Animal | Genotype | Week | Plate | Full sequences including adapter and barcode (unique to each plate) |
| **1** | 1 | Obese | 5 | **1** | CCATCTCATCCCTGCGTGTCTCCGACTCAG GATCT GCCTAACACATGCAAGTC |
| **2** | 2 | Hom lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ATCAG GCCTAACACATGCAAGTC |
| **3** | 3 | Het lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACACT GCCTAACACATGCAAGTC |
| **4** | 4 | Obese | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGCTA GCCTAACACATGCAAGTC |
| **5** | 5 | Hom lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CACAC GCCTAACACATGCAAGTC |
| **6** | 6 | Het lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACAGA GCCTAACACATGCAAGTC |
| **7** | 7 | Obese | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGATG GCCTAACACATGCAAGTC |
| **8** | 8 | Hom lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CACTG GCCTAACACATGCAAGTC |
| **9** | 9 | Het lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CAGAG GCCTAACACATGCAAGTC |
| **10** | 10 | Obese | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CGCAG GCCTAACACATGCAAGTC |
| **11** | 11 | Hom lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGTG GCCTAACACATGCAAGTC |
| **12** | 12 | Het lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GTGAG GCCTAACACATGCAAGTC |
| **13** | 13 | Obese | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG TCATG GCCTAACACATGCAAGTC |
| **14** | 14 | Hom lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGCAT GCCTAACACATGCAAGTC |
| **15** | 15 | Het lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CAGCT GCCTAACACATGCAAGTC |
| **16** | 16 | Obese | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CATGT GCCTAACACATGCAAGTC |
| **17** | 17 | Hom lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGAT GCCTAACACATGCAAGTC |
| **18** | 18 | Het lean | 5 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGCA GCCTAACACATGCAAGTC |
| **19** | 1 | Obese | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GATGA GCCTAACACATGCAAGTC |
| **20** | 2 | Hom lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG TACGC GCCTAACACATGCAAGTC |
| **21** | 3 | Het lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACTGC GCCTAACACATGCAAGTC |
| **22** | 4 | Obese | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GTCAC GCCTAACACATGCAAGTC |
| **23** | 5 | Hom lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CGTAC GCCTAACACATGCAAGTC |

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| Sample | Animal | Genotype | Week | Plate | Full sequences including adapter and barcode (unique to each plate) |
| **24** | 6 | Het lean | 7 | **2** | CCATCTCATCCCTGCGTGTCTCCGACTCAG GATCT GCCTAACACATGCAAGTC |
| **25** | 7 | Obese | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ATCAG GCCTAACACATGCAAGTC |
| **26** | 8 | Hom lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACACT GCCTAACACATGCAAGTC |
| **27** | 9 | Het lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGCTA GCCTAACACATGCAAGTC |
| **28** | 10 | Obese | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CACAC GCCTAACACATGCAAGTC |
| **29** | 11 | Hom lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACAGA GCCTAACACATGCAAGTC |
| **30** | 12 | Het lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGATG GCCTAACACATGCAAGTC |
| **31** | 13 | Obese | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CACTG GCCTAACACATGCAAGTC |
| **32** | 14 | Hom lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CAGAG GCCTAACACATGCAAGTC |
| **33** | 15 | Het lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CGCAG GCCTAACACATGCAAGTC |
| **34** | 16 | Obese | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGTG GCCTAACACATGCAAGTC |
| **35** | 18 | Het lean | 7 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GTGAG GCCTAACACATGCAAGTC |
| **36** | 1 | Obese | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG TCATG GCCTAACACATGCAAGTC |
| **37** | 2 | Hom lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGCAT GCCTAACACATGCAAGTC |
| **38** | 3 | Het lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CAGCT GCCTAACACATGCAAGTC |
| **39** | 4 | Obese | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CATGT GCCTAACACATGCAAGTC |
| **40** | 6 | Het lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGAT GCCTAACACATGCAAGTC |
| **41** | 7 | Obese | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGCA GCCTAACACATGCAAGTC |
| **42** | 8 | Hom lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GATGA GCCTAACACATGCAAGTC |
| **43** | 9 | Het lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG TACGC GCCTAACACATGCAAGTC |
| **44** | 10 | Obese | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACTGC GCCTAACACATGCAAGTC |
| **45** | 11 | Hom lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GTCAC GCCTAACACATGCAAGTC |
| **46** | 13 | Obese | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CGTAC GCCTAACACATGCAAGTC |

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| Sample | Animal | Genotype | Week | Plate | Full sequences including adapter and barcode (unique to each plate) |
| **47** | 14 | Hom lean | 10 | **3** | CCATCTCATCCCTGCGTGTCTCCGACTCAG GATCT GCCTAACACATGCAAGTC |
| **48** | 15 | Het lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ATCAG GCCTAACACATGCAAGTC |
| **49** | 16 | Obese | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACACT GCCTAACACATGCAAGTC |
| **50** | 18 | Het lean | 10 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGCTA GCCTAACACATGCAAGTC |
| **51** | 1 | Obese | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CACAC GCCTAACACATGCAAGTC |
| **52** | 2 | Hom lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACAGA GCCTAACACATGCAAGTC |
| **53** | 3 | Het lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGATG GCCTAACACATGCAAGTC |
| **54** | 4 | Obese | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CACTG GCCTAACACATGCAAGTC |
| **55** | 5 | Hom lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CAGAG GCCTAACACATGCAAGTC |
| **56** | 6 | Het lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CGCAG GCCTAACACATGCAAGTC |
| **57** | 7 | Obese | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGTG GCCTAACACATGCAAGTC |
| **58** | 8 | Hom lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GTGAG GCCTAACACATGCAAGTC |
| **59** | 9 | Het lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG TCATG GCCTAACACATGCAAGTC |
| **60** | 10 | Obese | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG AGCAT GCCTAACACATGCAAGTC |
| **61** | 11 | Hom lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CAGCT GCCTAACACATGCAAGTC |
| **62** | 12 | Het lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CATGT GCCTAACACATGCAAGTC |
| **63** | 13 | Obese | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGAT GCCTAACACATGCAAGTC |
| **64** | 14 | Hom lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG CTGCA GCCTAACACATGCAAGTC |
| **65** | 15 | Het lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GATGA GCCTAACACATGCAAGTC |
| **66** | 16 | Obese | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG TACGC GCCTAACACATGCAAGTC |
| **67** | 17 | Hom lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG ACTGC GCCTAACACATGCAAGTC |
| **68** | 18 | Het lean | 14 | CCATCTCATCCCTGCGTGTCTCCGACTCAG GTCAC GCCTAACACATGCAAGTC |
| Reverse primer | | | | | CCTATCCCCTGTGTGCCTTGGCAGTCTCAG ATTACCGCGGCTGCTGG |