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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1A | ND vs. HFD: Body weight of mice | Unpaired t-test | ND: 29.17  HFD: 31.82  HFD+AngII: 31.83  ND+AngII: 29.22 | ND: 0.6088  HFD: 1.028  HFD+AngII: 1.793  ND+AngII: 1.553 | 0.0003 |
| Figure 1A | ND vs. HFD+AngII: Body weight of mice | Welch’s t-test |  |  | 0.0132 |
| Figure 1A | ND vs. ND+AngII: Body weight of mice | Unpaired t-test |  |  | 0.9377 |
| Figure 1A | HFD vs. HFD+AngII: Body weight of mice | Unpaired t-test |  |  | 0.9846 |
| Figure 1A | HFD vs. ND+AngII: Body weight of mice | Unpaired t-test |  |  | 0.0028 |
| Figure 1A | HFD+AngII vs. ND+AngII: Body weight of mice | Unpaired t-test |  |  | 0.0081 |

**Detailed statistical table**

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1B | ND vs. HFD: Systolic blood pressure (SBP) | Welch’s t-test | ND: 106.5  HFD: 116.0  HFD+AngII: 133.6  ND+AngII: 134.2 | ND: 1.585  HFD: 7.307  HFD+AngII: 2.457  ND+AngII: 3.845 | 0.0239 |
| Figure 1B | ND vs. HFD+AngII: Systolic blood pressure (SBP) | Unpaired t-test |  |  | <0.0001 |
| Figure 1B | ND vs. ND+AngII: Systolic blood pressure (SBP) | Unpaired t-test |  |  | <0.0001 |
| Figure 1B | HFD vs. HFD+AngII: Systolic blood pressure (SBP) | Welch’s t-test |  |  | 0.0013 |
| Figure 1B | HFD vs. ND+AngII: Systolic blood pressure (SBP) | Unpaired t-test |  |  | <0.0001 |
| Figure 1B | HFD+AngII vs. ND+AngII: Systolic blood pressure (SBP) | Unpaired t-test |  |  | 0.7332 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1C | ND vs. HFD: Diastolic blood pressure (DBP) | Unpaired t-test | ND: 78.93  HFD: 88.91  HFD+AngII: 105.5  ND+AngII: 110.1 | ND: 3.388  HFD: 6.618  HFD+AngII: 3.501  ND+AngII: 3.862 | 0.0081 |
| Figure 1C | ND vs. HFD+AngII: Diastolic blood pressure (DBP) | Unpaired t-test |  |  | <0.0001 |
| Figure 1C | ND vs. ND+AngII: Diastolic blood pressure (DBP) | Unpaired t-test |  |  | <0.0001 |
| Figure 1C | HFD vs. HFD+AngII: Diastolic blood pressure (DBP) | Unpaired t-test |  |  | 0.0003 |
| Figure 1C | HFD vs. ND+AngII: Diastolic blood pressure (DBP) | Unpaired t-test |  |  | <0.0001 |
| Figure 1C | HFD+AngII vs. ND+AngII: Diastolic blood pressure (DBP) | Unpaired t-test |  |  | 0.0314 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1D | ND vs. HFD: Maximum diameters of abdominal aorta | Mann Whitney test | ND: 0.8917  HFD: 0.9600  HFD+AngII: 1.387  ND+AngII: 1.069 | ND: 0.05492  HFD: 0.08414  HFD+AngII: 0.3836  ND+AngII: 0.1042 | 0.0866 |
| Figure 1D | ND vs. HFD+AngII: Maximum diameters of abdominal aorta | Welch’s t-test |  |  | 0.0246 |
| Figure 1D | ND vs. ND+AngII: Maximum diameters of abdominal aorta | Unpaired t-test |  |  | 0.0018 |
| Figure 1D | HFD vs. HFD+AngII: Maximum diameters of abdominal aorta | Mann Whitney test |  |  | 0.0087 |
| Figure 1D | HFD vs. ND+AngII: Maximum diameters of abdominal aorta | Mann Whitney test |  |  | 0.0661 |
| Figure 1D | HFD+AngII vs. ND+AngII: Maximum diameters of abdominal aorta | Welch’s t-test |  |  | 0.0994 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1E | ND vs. HFD: Maximum diameters of ascending aorta | Unpaired t-test | ND: 1.518  HFD: 1.663  HFD+AngII: 1.735  ND+AngII: 1.731 | ND: 0.1163  HFD: 0.1255  HFD+AngII: 0.1196  ND+AngII: 0.1180 | 0.0647 |
| Figure 1E | ND vs. HFD+AngII: Maximum diameters of ascending aorta | Unpaired t-test |  |  | 0.0098 |
| Figure 1E | ND vs. ND+AngII: Maximum diameters of ascending aorta | Unpaired t-test |  |  | 0.0035 |
| Figure 1E | HFD vs. HFD+AngII: Maximum diameters of ascending aorta | Unpaired t-test |  |  | 0.3351 |
| Figure 1E | HFD vs. ND+AngII: Maximum diameters of ascending aorta | Unpaired t-test |  |  | 0.2962 |
| Figure 1E | HFD+AngII vs. ND+AngII: Maximum diameters of ascending aorta | Unpaired t-test |  |  | 0.9489 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1F | ND vs. HFD: Maximum diameters of descending aorta | Unpaired t-test | ND: 1.195  HFD: 1.220  HFD+AngII: 1.283  ND+AngII: 1.206 | ND: 0.2075  HFD: 0.1585  HFD+AngII: 0.08802  ND+AngII: 0.1031 | 0.8193 |
| Figure 1F | ND vs. HFD+AngII: Maximum diameters of descending aorta | Unpaired t-test |  |  | 0.3598 |
| Figure 1F | ND vs. ND+AngII: Maximum diameters of descending aorta | Unpaired t-test |  |  | 0.8844 |
| Figure 1F | HFD vs. HFD+AngII: Maximum diameters of descending aorta | Unpaired t-test |  |  | 0.4122 |
| Figure 1F | HFD vs. ND+AngII: Maximum diameters of descending aorta | Unpaired t-test |  |  | 0.8371 |
| Figure 1F | HFD+AngII vs. ND+AngII: Maximum diameters of descending aorta | Unpaired t-test |  |  | 0.1507 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1I | ND vs. HFD: Total cholesterol | Mann Whitney test | ND: 3.290  HFD: 6.950  HFD+AngII: 7.982  ND+AngII: 4.413 | ND: 0.8412  HFD: 0.5735  HFD+AngII: 2.997  ND+AngII: 0.6287 | 0.0022 |
| Figure 1I | ND vs. HFD+AngII: Total cholesterol | Mann Whitney test |  |  | 0.0022 |
| Figure 1I | ND vs. ND+AngII: Total cholesterol | Unpaired t-test |  |  | 0.0086 |
| Figure 1I | HFD vs. HFD+AngII: Total cholesterol | Mann Whitney test |  |  | 0.6991 |
| Figure 1I | HFD vs. ND+AngII: Total cholesterol | Mann Whitney test |  |  | 0.0002 |
| Figure 1I | HFD+AngII vs. ND+AngII: Total cholesterol | Mann Whitney test |  |  | 0.0002 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1J | ND vs. HFD: Total triglyceride | Unpaired t-test | ND: 1.185  HFD: 2.030  HFD+AngII: 0.7217  ND+AngII: 1.785 | ND: 0.3538  HFD: 0.5505  HFD+AngII: 0.1845  ND+AngII: 0.5120 | 0.0101 |
| Figure 1J | ND vs. HFD+AngII: Total triglyceride | Welch’s t-test |  |  | 0.0174 |
| Figure 1J | ND vs. ND+AngII: Total triglyceride | Unpaired t-test |  |  | 0.0247 |
| Figure 1J | HFD vs. HFD+AngII: Total triglyceride | Unpaired t-test |  |  | 0.0014 |
| Figure 1J | HFD vs. ND+AngII: Total triglyceride | Unpaired t-test |  |  | 0.3824 |
| Figure 1J | HFD+AngII vs. ND+AngII: Total triglyceride | Welch’s t-test |  |  | <0.0001 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1K | ND vs. HFD: Low-density lipoprotein cholesterol | Welch’s t-test | ND: 2.753  HFD: 3.800  HFD+AngII: 3.725  ND+AngII: 3.587 | ND: 1.202  HFD: 0.4353  HFD+AngII: 0.9012  ND+AngII: 0.9217 | 0.0896 |
| Figure 1K | ND vs. HFD+AngII: Low-density lipoprotein cholestero | Unpaired t-test |  |  | 0.1443 |
| Figure 1K | ND vs. ND+AngII: Low-density lipoprotein cholestero | Unpaired t-test |  |  | 0.1396 |
| Figure 1K | HFD vs. HFD+AngII: Low-density lipoprotein cholestero | Unpaired t-test |  |  | 0.8580 |
| Figure 1K | HFD vs. ND+AngII: Low-density lipoprotein cholestero | Unpaired t-test |  |  | 0.6068 |
| Figure 1K | HFD+AngII vs. ND+AngII: Low-density lipoprotein cholestero | Unpaired t-test |  |  | 0.7744 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 1L | ND vs. HFD: High-density lipoprotein cholesterol | Mann Whitney test | ND: 1.822  HFD: 2.532  HFD+AngII: 2.408  ND+AngII: 2.456 | ND: 0.4401  HFD: 1.196  HFD+AngII: 0.6548  ND+AngII: 0.9970 | 0.7857 |
| Figure 1L | ND vs. HFD+AngII: High-density lipoprotein cholesterol | Unpaired t-test |  |  | 0.0985 |
| Figure 1L | ND vs. ND+AngII: High-density lipoprotein cholesterol | Unpaired t-test |  |  | 0.1664 |
| Figure 1L | HFD vs. HFD+AngII: High-density lipoprotein cholesterol | Mann Whitney test |  |  | 0.9372 |
| Figure 1L | HFD vs. ND+AngII: High-density lipoprotein cholesterol | Mann Whitney test |  |  | 0.8749 |
| Figure 1L | HFD+AngII vs. ND+AngII: High-density lipoprotein cholesterol | Welch’s t-test |  |  | 0.9189 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 4B | Healthy (BMI>24) vs. AD (BMI>24): C5 levels | Mann Whitney test | Healthy (BMI>24): 558.8  AD (BMI>24): 254.2  AD (BMI≤24): 706.0 | Healthy (BMI>24): 214.4  AD (BMI>24): 65.11  AD (BMI≤24): 213.8 | <0.0001 |
| Figure 4B | Healthy (BMI>24) vs. AD (BMI≤24): C5 levels | Mann Whitney test |  |  | 0.0204 |
| Figure 4B | AD (BMI>24) vs. AD (BMI≤24): C5 levels | Welch’s t test |  |  | <0.0001 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 4C | Healthy (BMI>24) vs. AD (BMI>24): apoD level | Unpaired t-test | Healthy (BMI>24): 28.25  AD (BMI>24): 40.45  AD (BMI≤24): 29.18 | Healthy (BMI>24): 6.938  AD (BMI>24): 8.237  AD (BMI≤24): 7.076 | <0.0001 |
| Figure 4C | Healthy (BMI>24) vs. AD (BMI≤24): apoD level | Unpaired t-test |  |  | 0.6806 |
| Figure 4C | AD (BMI>24) vs. AD (BMI≤24): apoD level | Unpaired t-test |  |  | <0.0001 |

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| Figures | Description | Test used | Mean | SD | P value |
| Figure 4D | Healthy (BMI>24) vs. AD (BMI>24): PIGR level | Mann Whitney test | Healthy (BMI>24): 2434  AD (BMI>24): 2889  AD (BMI≤24): 2089 | Healthy (BMI>24): 1543  AD (BMI>24): 2060  AD (BMI≤24): 2214 | 0.5429 |
| Figure 4D | Healthy (BMI>24) vs. AD (BMI≤24): PIGR level | Mann Whitney test |  |  | 0.0880 |
| Figure 4D | AD (BMI>24) vs. AD (BMI≤24): PIGR level | Mann Whitney test |  |  | 0.0872 |