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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: 29.17HFD: 31.82HFD+AngII: 31.83ND+AngII: 29.22 | ND: 0.6088HFD: 1.028HFD+AngII: 1.793ND+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: 106.5HFD: 116.0HFD+AngII: 133.6ND+AngII: 134.2 | ND: 1.585HFD: 7.307HFD+AngII: 2.457ND+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: 78.93HFD: 88.91HFD+AngII: 105.5ND+AngII: 110.1 | ND: 3.388HFD: 6.618HFD+AngII: 3.501ND+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: 0.8917HFD: 0.9600HFD+AngII: 1.387ND+AngII: 1.069 | ND: 0.05492HFD: 0.08414HFD+AngII: 0.3836ND+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: 1.518HFD: 1.663HFD+AngII: 1.735ND+AngII: 1.731 | ND: 0.1163HFD: 0.1255HFD+AngII: 0.1196ND+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: 1.195HFD: 1.220HFD+AngII: 1.283ND+AngII: 1.206 | ND: 0.2075HFD: 0.1585HFD+AngII: 0.08802ND+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: 3.290HFD: 6.950HFD+AngII: 7.982ND+AngII: 4.413 | ND: 0.8412HFD: 0.5735HFD+AngII: 2.997ND+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: 1.185HFD: 2.030HFD+AngII: 0.7217ND+AngII: 1.785 | ND: 0.3538HFD: 0.5505HFD+AngII: 0.1845ND+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: 2.753HFD: 3.800HFD+AngII: 3.725ND+AngII: 3.587 | ND: 1.202HFD: 0.4353HFD+AngII: 0.9012ND+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: 1.822HFD: 2.532HFD+AngII: 2.408ND+AngII: 2.456 | ND: 0.4401HFD: 1.196HFD+AngII: 0.6548ND+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): 558.8AD (BMI>24): 254.2AD (BMI≤24): 706.0 | Healthy (BMI>24): 214.4AD (BMI>24): 65.11AD (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): 28.25AD (BMI>24): 40.45AD (BMI≤24): 29.18 | Healthy (BMI>24): 6.938AD (BMI>24): 8.237AD (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): 2434AD (BMI>24): 2889AD (BMI≤24): 2089 | Healthy (BMI>24): 1543AD (BMI>24): 2060AD (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 |