Table S1. Information sheet of nephrite objects (Some samples have a dark/black color on the glossy surface due to excessive reflection).

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| Sample No. | Type | Description | Photo |
| M1:6 | Ring | A circle of rope pattern, white with brown, translucent | M1 6 |
| M1:11 | Flake ornament | Notched edges, yellow with black, translucent | M1 11 |
| M1:12 | Oblong pendant | Exquisitely decorated, uniform hues, well-polished, translucent | M1 12 |
| M1:13 | Tube | Exquisitely decorated, partly corroded, brown with white and yellow, opaque | M1 13 |
| M1:15 | Huang (pendant) | With blade, gray-green, perforated, well-polished, opaque | M1 15 |
| M1:18 | Slit ring pendant | With blade, brown with yellow spots, perforated, opaque | M1 18 |
| M1:29 | Fish | Exquisite shape, severe weathered, opaque | M1 29 |
| M1:30 | Dear | Exquisite shape, occasional black patches, well-polished, translucent | M1 30 |
| M1:31 | Flake ornament | Notched edges, black, opaque | M1 31 |
| M1:42 | Bird pendant | The phoenix shape, well decorated, visible signs of repair after breakage, yellow with black,perforated, translucent | M1 42 |
| M1:70 | Ring | Black with white spots, broken, opaque | M1 70 |
| M1:78 | Bird pendant | Exquisite shaped and decorated, yellow with black patches at the edges, well-polished, translucent | M1 78 |
| M1:79 | Tiger ornament | Exquisite shaped and decorated, brown, perforated, well-polished, semi translucent | M1 79 |
| M1:80 | Rectangular pendant | Notched edges, slight yellow, perforated, translucent | M1 80 |
| M1:83 | Ornament | Partly corroded, yellow with brown and white spots, opaque | M1 83 |
| M1:84 | Animal ornament | Exquisite shape, black with red patches, perforated, opaque | M1 84 |
| M1:85 | Ring | Brown with white spots, weathered, opaque | M1 85 |
| M1:86 | Zhang | Intact shape, well-polished, black with red and white spots, perforated, opaque | C:/Users/cdddwei/AppData/Local/Temp/picturecompress_20201222202812/output_1.jpgoutput_1 |
| M1:93 | Rectangular ornament | Intricate decorations, white with black spots, translucent | M1 93 |
| M1:98 | Dagger-shape | With damage, well-polished, yellow with brown | M1 98 |
| M1:99 | Ring | Black with gray and brown patches, broken, opaque | M1 99 |
| M1:100 | Oblong pendant | Exquisitely decorated, gray with black dots, translucent | M1 100 |
| M1:101 | Ring | White with yellow spots, well-polished, translucent | M1 101 |
| M1:102 | Ring | Brown with black spots, well-polished, opaque | M1 102 |
| M1:103 | Gui | Corroded, brown with black spots, perforated, opaque | M1 103 |
| M1:110 | Knife | Exquisitely decorated, uniform black, well-polished, opaque | M1 110 |
| M1:111 | Huang | Exquisitely decorated, brown, well-polished, opaque | M1 111 |
| M1:112 | Huang | White with black spots, semi translucent | M1 112 |
| M1:115 | Rectangular ornament | Black, opaque | M1 115 |
| M1:117 | Xi (to untie knots) | With a sharp point, black, broken, opaque | M1 117 |
| M1:121 | Flake ornament | Black with red and white spots, perforated, opaque | M1 121 |
| M1:122 | Huang | White with black patches, perforated, translucent | M1 122 |
| M1:123 | Ornament | Exquisitely shaped and decorated, white with a few impurities, well-polished, opaque | M1 123 |
| M1:129 | Oblong pendant | Exquisitely decorated, gray with brown spots, well-polished, translucent | M1 129 |
| M1:130 | Tube | Silkworm-like shaped, black, well-polished, opaque | M1 130 |
| M1:135 | Ear picks | Exquisitely shaped and decorated, brown, well-polished, opaque | M1 135 |
| M1:136 | Sword hilt | Exquisitely shaped and decorated, white with yellow spots, well-polished, translucent | M1 136 |
| M1:137 | Jue (slit ring) | Notched edges, well decorated, weathered, gray with white patches, translucent | M1 137 |
| M1:140 | Cong | Well polished, gray with black patches, semi translucent | M1 140 |
| M1:142 | Zhang | Well shaped, black with brown patches, opaque | M1 142 |
| M1:143 | Ornament | Exquisitely shaped and decorated, partly corroded, gray with brown and white patches, translucent | M1 143 |
| M1:151 | Tube | Well polished, brown and white spots, semi translucent | M1 151 |
| M1:156 | Oblong pendant | Well shaped, brown, translucent | M1 156 |
| M1:157 | Tube | Uniform white, well polished, semi translucent | M1 157 |
| M1:158 | Ring | Well shaped and decorated, brown, semi translucent | M1 158 |
| M1:159 | Flake ornament | Notched edges, white with black spots, perforated, translucent | M1 159 |
| M1:161 | Animal ornament | Exquisitely shaped and decorated, gray with black spots, translucent | M1 161 |
| M1:162 | Flake ornament | Notched edges, gray with black spots, perforated, translucent | M1 162(2) |
| M1:162-2 | Huang | Brown with red spots, perforated, opaque | M1 162 |
| M1:163 | Oblong ornament | Well shaped and decorated, gray with black spots, translucent | M1 163 |
| M1:164 | Oblong ornament | Well shaped and decorated, gray with black spots, translucent | M1 164 |
| M1:165 | Ring | Uniform black, broken, opaque | M1 165 |
| M1:167 | Human-shaped pendant | Exquisitely shaped and decorated, gray, translucent | M1 167 |
| M1:174 | Flake ornament | Notched edges, white with black spots, perforated, semi translucent | M1 174 |
| M1:183 | Huang | Gray, perforated, broken, translucent | M1 183 |
| M1:185 | Flake ornament | Notched edges, gray with black spots, perforated, translucent | M1 185 |
| M1:186 | Flake ornament | Notched edges, gray with black and white spots, perforated, translucent | M1 186 |
| M1:187 | Gui | Gray with brown spots, well-polished, opaque | C:/Users/cdddwei/AppData/Local/Temp/picturecompress_20201222203432/output_1.jpgoutput_1 |
| M1:191 | Knife | With blade, black with red and white spots, perforated, well-polished, opaque | M1 191 |
| M1:202 | Oblong ornament | Exquisitely shaped and decorated, white with brown spots, well polished, translucent | M1 202 |
| M1:208 | Triangular ornament | Notched edges, white with brown and black patches, perforated, opaque | M1 208 |
| M1:222 | Flake ornament | Exquisitely shaped and decorated, white with brown, well polished, translucent | M1 222 |
| M1:233 | Flake ornament | Notched edges, white with brown and black patches, perforated, opaque | M1 233 |
| M1:235 | Bi (Ring) | Exquisitely shaped and decorated, brown with red and white spots, opaque | M1 235 |
| M1:239 | Animal ornament | Exquisitely shaped and decorated, brown with red and white spots, perforated, opaque | M1 239 |
| M1:245 | Bi (Ring) | Partly corroded, light gray with black and white patches, well polished, opaque | M1 245 |
| M1:247 | Triangular ornament | White with brown and black patches, perforated, opaque | M1 247 |
| M1:248 | Animal pendant | The phoenix shape, well decorated, gray with black and brown spots, translucent | M1 248 |
| M1:253 | Flake ornament | Notched edges, gray with brown spots, perforated, opaque | M1 253 |
| M1:258 | Jue | Weathered, gray with brown and black spots, perforated, opaque | M1 258 |
| M1:259 | Bird pendant | Well shaped and decorated, gray with black spots, opaque | M1 259 |
| M1:264 | Flake ornament | Notched edges, gray with black spots, perforated, opaque | M1 264 |
| M1:265 | Jue | Well shaped, gray with black and brown patches, semi translucent | M1 265 |
| M1:268 | Bi (Ring) | Brown, opaque | M1 268 |
| M1:298 | Huang | Notched edges, black, perforated, opaque | M1 298 |
| M1:300 | Ring | Black, well polished, opaque | M1 300 |
| M1:304 | Huang | Well decorated, gray with black spots, perforated, semi translucent | M1 344 |
| M1:308 | Huang | White with black spots, perforated, semi translucent | M1 308 |
| M1:309 | Huang | White with black spots, perforated, semi translucent | M1 309 |
| M1:311 | Crescent pendant | Well decorated, white with black spots, perforated, translucent | M1 311 |
| M1:318 | Oblong ornament | Exquisitely shaped and decorated, white with black dots, translucent | M1 318 |
| M1:321 | Huang | Well decorated, gray with black spots, perforated, semi translucent | M1 321 |
| M1:329 | Huang | Well decorated, gray with black dots, perforated, semi translucent | C:/Users/cdddwei/AppData/Local/Temp/picturecompress_20201222203815/output_1.jpgoutput_1 |
| M1:336 | Crescent pendant | White with black spots, perforated, semi translucent | M1 336 |
| M1:341 | Ring | Black with white spots, perforated, semi translucent | M1 341 |
| M1:344 | Huang | Black, perforated, opaque | M1 304 |
| M1:345 | Crescent pendant | Gray with black patches and white dots, perforated, semi translucent | M1 345 |
| M1:346 | Tiger ornament | Exquisitely shaped and decorated, gray with brown and white patches, perforated, semi translucent | M1 346 |
| M1:347 | Animal ornament | Exquisitely shaped and decorated, gray with brown spots, translucent | M1 347 |
| M1:348 | Huang | Black, perforated, semi translucent | M1 348 |
| M1:349 | Bi | Exquisitely shaped and decorated, brown, semi translucent | M1 349 |
| M1:350 | Animal ornament | Exquisitely shaped and decorated, gray with black patches, translucent | M1 350 |
| M1:351 | Jue | Gray with black and brown patches, opaque | M1 351 |
| M1:355 | Bi (Ring) | Black and brown patches, opaque | M1 355 |
| M1:357 | Tiger ornament | Well shaped and decorated, black with white patches, perforated, opaque | M1 357 |
| M1:381 | Animal ornament | Exquisitely shaped and decorated, corroded, white with black spots, perforated, opaque | M1 381 |
| M1:384 | Animal pendant | Well shaped, gray, perforated, translucent | M1 384 |
| M1:385 | Ornament | Well decorated, black, opaque | M1 385 |
| M1:386 | Ring | Yellow with brown spots, perforated, semi translucent | M1 386 |
| M1:388 | Tiger pendant | Well shaped and decorated, black, perforated, translucent | M1 388-1 |
| M1:388-2 | Crescent pendant | Black, perforated, semi translucent | M1 388-2 |
| M1:391 | Flake ornament | Notched edges, gray with black spots, perforated, translucent | M1 391 |
| M1:397 | Triangular ornament | Notched edges, severely corroded, black with white patches, opaque | M1 397 |
| M1:399 | Jue | Well shaped, partly corroded, gray with black and brown patches, semi translucent | M1 399 |
| M1:North 1 | Thumb ring | Exquisitely shaped and decorated, red with brown patches, semi translucent | M1 北1 |
| M1:North 8 | Tube | Severely corroded, white with gray patches, opaque | M1 北8 |
| M1:North 10 | Tube | Weathered, white with brown patches, semi translucent | M1 北10 |
| M1:North 18 | Gui | White with yellow spots, perforated, translucent | M1 北18 |
| M1:North 19 | Gui | Brown with yellow spots, perforated, translucent | M1 北19 |
| M1:North 21 | Gui | White with yellow spots, perforated, translucent | M1 北21 |