Supplementary Materials for ‘The role of lithic bipolar technology in Western Iberia’s Upper Paleolithic: the case of Vale Boi (southern Portugal)’

2018-10-04

### Table 1 - Technological attributes used for the analysis of scaled pieces included in this study

|  |  |
| --- | --- |
| Variables | Attributes |
| Raw Material | Quartz |
|  | Chert |
|  | Greywacke |
|  | Chalcedony |
|  | Others |
| Blank | Blade |
|  | Blade Fragment |
|  | Bladelet |
|  | Bladelet Fragment |
|  | Core |
|  | Flake |
|  | Fragment |
|  | Nodule |
| Coinciding Axis | Coinciding |
|  | Non-Coinciding |
|  | Unidentifiable |
| Retouch | Absent |
|  | Present |
| Cortex % | No Cortex |
|  | >25% |
|  | 25-50% |
|  | 50-95% |
|  | >95% |
| Cortex Location | Distal |
|  | Lateral |
|  | Lateral Distal |
|  | Lateral Mesial |
|  | Lateral Proximal |
|  | Mesial |
|  | Proximal |
| Butt | Absent |
|  | Cortical |
|  | Dihedral |
|  | Faceted |
|  | Pointed |
|  | Flat |
| Profile | Straight |
|  | Curved |
|  | Irregular |
|  | Twisted |
| Transversal Section Shape | Other |
|  | Irregular |
|  | Rectangular |
|  | Trapezoidal |
|  | Triangular |
| Longitudinal Section Shape | Elliptical |
|  | Irregular |
|  | Other |
|  | Rectangular |
|  | Semicircular |
|  | Trapezoidal |
|  | Triangular |
| Edge Shape | Biconvex |
|  | Circular |
|  | Converging |
|  | Diverging |
|  | Irregular |
|  | Others |
|  | Parallel |
| Dorsal Pattern | Bidirectional Alternating |
|  | Bidirectional Parallel |
|  | Bidirectional Perpendicular |
|  | Unidentifiable |
|  | Parallel Distal |
|  | Parallel Proximal |
|  | Parallel one side |
|  | Radial |
| Termination | Stepped |
|  | Natural |
|  | Hinged |
|  | Transversal |
| Fire Traces | Burnt |
|  | No traces |
|  | Thermal Treatment |

### Table 2 - Morpho-functional attributes used to analyze each damaged platform of a scaled piece. \*Adapted from Gonzalez-Urquijo and Ibanez-Estévez (1994). \*\*Adapted from de la Peña (2011)

|  |  |
| --- | --- |
| Variables | Attributes |
| # of damaged platforms | N |
| Platform Width | Width (mm) |
| # of Scars | N |
| Platform Angle (between faces) | <45º |
|  | >45º |
|  | Platform |
| Platform Delineation\* | Concave |
|  | Convex |
|  | Irregular |
|  | Oblique |
|  | Pointed |
|  | Straight |
| Damage level\* | High |
|  | Low |
|  | Medium |
| Scars Shape\*\* | Half-Moon |
|  | Irregular |
|  | Mixed |
|  | Quadrangular |
|  | Semicircular |
|  | Trapezoidal |
|  | Triangular |
| Scars Distribution\* | Central |
|  | Lateral |
|  | Total |
| Scars Disposition\* | Aligned |
|  | Aligned/Overlapped |
|  | Isolated |
|  | Overlapped |
| Scars Extension\*\* | Invasive |
|  | Marginal |
|  | Mixed |
| Scara Facial Distribution\*\* | Bifacial |
|  | Unifacial |

# References

González-Urquijo, J. E., & Ibánez-Estévez, J. J. (1994). Metodologıa de análisis funcional de instrumentos tallados en sılex. *Cuadernos de Arqueologıa*, *14*.

Peña, P. de la. (2011). Sobre la identificación macroscópica de las piezas astilladas: Propuesta experimental. *Trabajos de Prehistoria*, *68*, 79–98. doi:[10.3989/tp.2011.11060](https://doi.org/10.3989/tp.2011.11060)

##### pagebreak

# Colophon

This report was generated on 2018-10-04 18:56:59 using the following computational environment and dependencies:

#> setting value   
#> version R version 3.5.0 (2018-04-23)  
#> system x86\_64, mingw32   
#> ui RTerm   
#> language (EN)   
#> collate English\_United States.1252   
#> tz Europe/London   
#> date 2018-10-04   
#>   
#> package \* version date source   
#> backports 1.1.2 2017-12-13 CRAN (R 3.5.0)  
#> base \* 3.5.0 2018-04-23 local   
#> bookdown 0.7 2018-02-18 CRAN (R 3.4.4)  
#> compiler 3.5.0 2018-04-23 local   
#> crayon 1.3.4 2017-09-16 CRAN (R 3.4.4)  
#> datasets \* 3.5.0 2018-04-23 local   
#> devtools 1.13.6 2018-06-27 CRAN (R 3.5.1)  
#> digest 0.6.17 2018-09-12 CRAN (R 3.5.1)  
#> evaluate 0.11 2018-07-17 CRAN (R 3.5.1)  
#> graphics \* 3.5.0 2018-04-23 local   
#> grDevices \* 3.5.0 2018-04-23 local   
#> highr 0.7 2018-06-09 CRAN (R 3.5.1)  
#> hms 0.4.2 2018-03-10 CRAN (R 3.4.4)  
#> htmltools 0.3.6 2017-04-28 CRAN (R 3.5.1)  
#> knitr 1.20 2018-02-20 CRAN (R 3.5.1)  
#> magrittr 1.5 2014-11-22 CRAN (R 3.5.1)  
#> memoise 1.1.0 2017-04-21 CRAN (R 3.4.4)  
#> methods \* 3.5.0 2018-04-23 local   
#> pillar 1.3.0 2018-07-14 CRAN (R 3.5.1)  
#> pkgconfig 2.0.2 2018-08-16 CRAN (R 3.5.1)  
#> R6 2.2.2 2017-06-17 CRAN (R 3.4.4)  
#> Rcpp 0.12.19 2018-10-01 CRAN (R 3.5.1)  
#> readr \* 1.1.1 2017-05-16 CRAN (R 3.5.0)  
#> rlang 0.2.2 2018-08-16 CRAN (R 3.5.1)  
#> rmarkdown 1.10 2018-06-11 CRAN (R 3.5.1)  
#> rprojroot 1.3-2 2018-01-03 CRAN (R 3.5.1)  
#> stats \* 3.5.0 2018-04-23 local   
#> stringi 1.1.7 2018-03-12 CRAN (R 3.5.0)  
#> stringr 1.3.1 2018-05-10 CRAN (R 3.5.1)  
#> tibble 1.4.2 2018-01-22 CRAN (R 3.5.0)  
#> tools 3.5.0 2018-04-23 local   
#> utils \* 3.5.0 2018-04-23 local   
#> withr 2.1.2 2018-03-15 CRAN (R 3.4.4)  
#> xfun 0.3 2018-07-06 CRAN (R 3.5.1)  
#> yaml 2.2.0 2018-07-25 CRAN (R 3.5.1)

The current Git commit details are:

#> Local: master C:/Users/jmcasca/Documents/R\_DATA/compendiums/ScaledPiecesVB  
#> Remote: master @ origin (https://github.com/jmcascalheira/ScaledPiecesVB.git)  
#> Head: [6140250] 2018-10-04: formatting to submit