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The following abbreviations, colors and staining intensities were used in the tables, captions to figures and contents in the present thesis.

## Abbreviations

- 1) PAS Periodic acid Schiff.
- 2) P-PAS Phenylhydrazine-PAS.
- 3) D-PAS Diastase-PAS.
- 4) AB Alcian blue 8 GX 300.
- 5) C.I. Colloidal Iron.
- 6) AF Aldehyde Fuchsin.
- 7) CEC Critical Electrolyte Concentration.
- 8) M 37 Mild Methylation.
- 9) DM 37 Wild Methylation-Saponification.
- 10) M 60 Active Methylation.
- 11) DM 60 Active Methylation-Saponification.

## Colors

- 1) P Pink or Magenta or Purple.
- 2) B Blue or greenish-blue.
- 3) PB Purple-blue.
- 4) BP Bluish-purple.
- 5) 0 Orthochromatic blue.
- 6) M Metachromatic purple or Pink or Red.

## Staining Intensities

- 1) ++++ Intense.
- 2) +++ Moderate.
- 3) ++ Weak.
- 4) + Poor.
- 5)  $\pm$  Trace.
- 6) - Negative.