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Novel variants of *SERPIN1A* gene: Interplay between alpha1-antitrypsin deficiency and chronic obstructive pulmonary disease

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Title Page

Title: Novel variants of *SERPINA* gene: Interplay between alpha1-antitrypsin deficiency and chronic obstructive pulmonary disease

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Running title: Novel variants of *SERPINA* gene and COPD

Key words: COPD: Chronic obstructive pulmonary disease, *SERPINA*: Serine protease inhibitor 1A, AAT: Alpha1-antitrypsin, UPR: Unfolded protein response

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