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Pop, T. R., Chirila, D. N., Buzoianu, A. D., 2013. Pharmacogenetics of oral anticoagulant therapy. HVM Bioflux 5(1):9-13.

Duncea, I., Pop, A., Georgescu, C. E., 2013. The relationship between osteoporosis and the panoramic mandibular index. HVM Bioflux 5(1):14-18.

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Sarani, A., Mohammadi, G., Mayameei, A., Akbari, M., 2013. Investigation of Equine herpesvirus-1 and 4 infections in equine population of Iran by real-time PCR. HVM Bioflux 5(1):29-33.

Micu, C., Micu, B., Schmidt, A.-N., Miu, N., 2013. Anatomy and ontogeny of kidney development. HVM Bioflux 5(1):34-39.

Gavrilut, A. I., Pop, C. M., 2013. Predictive value of QuantiFERON-TB Gold test for the risk of active tuberculosis. HVM Bioflux 5(1):40-43.