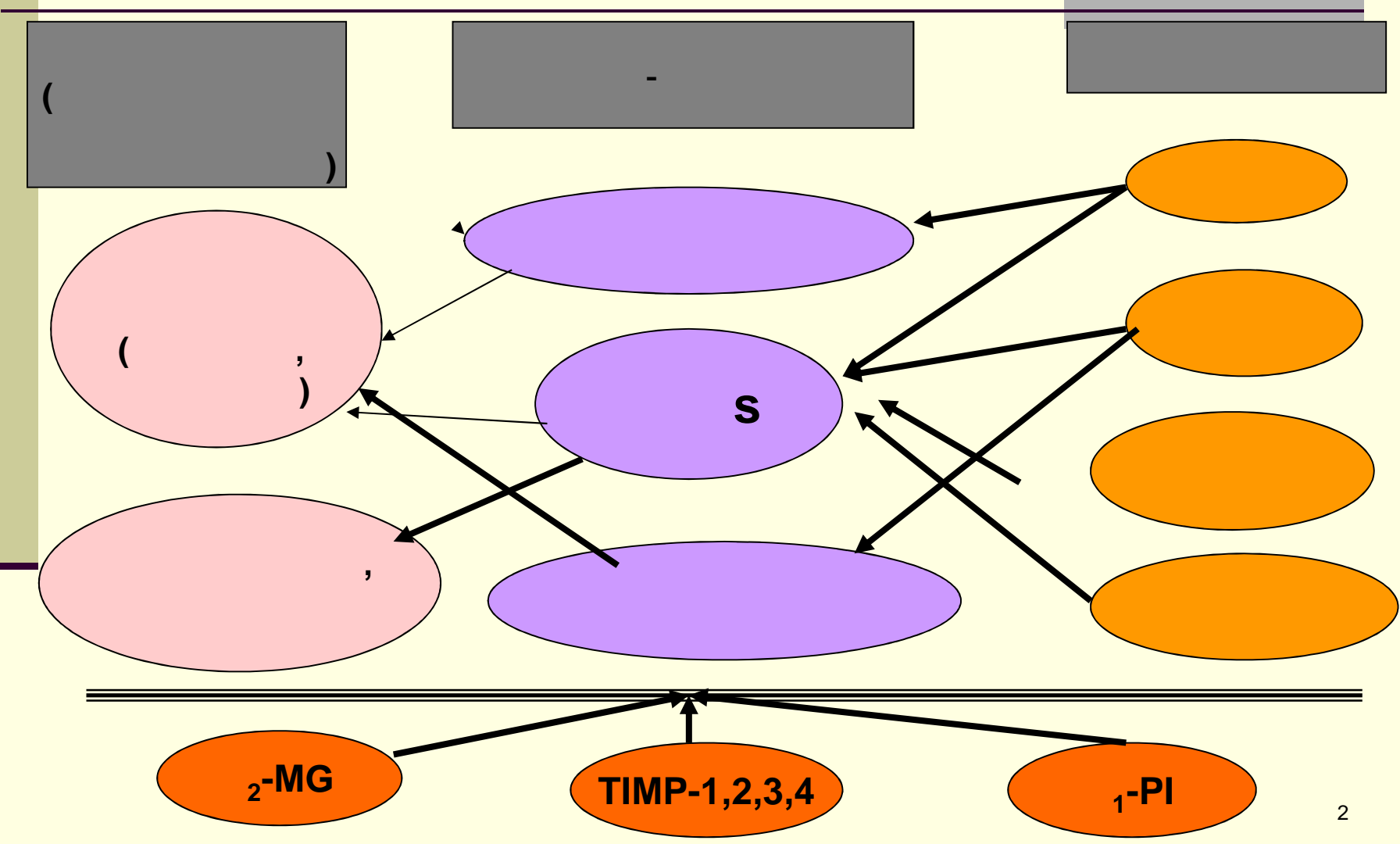




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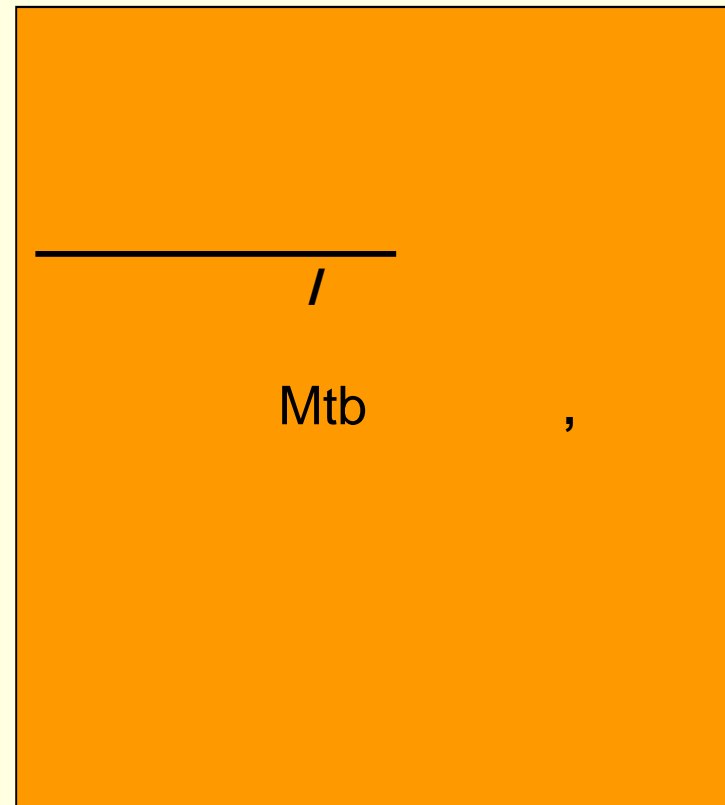
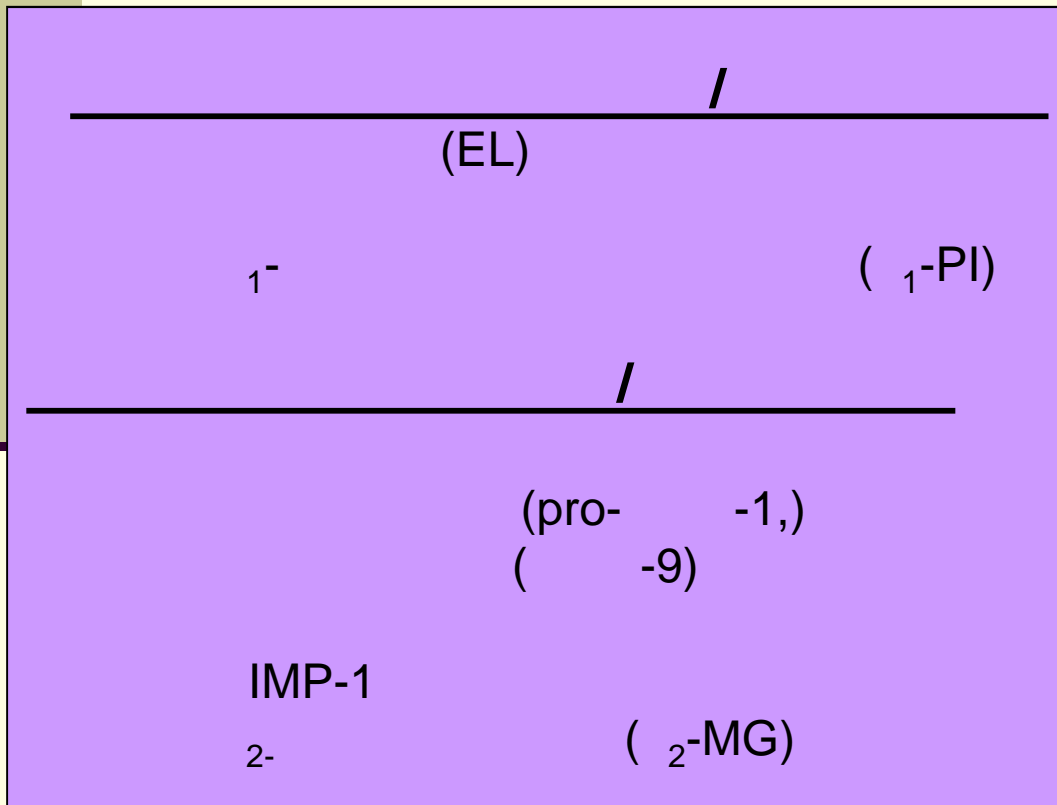


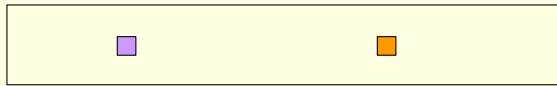
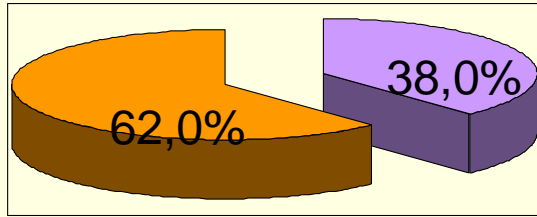
MMP		
1	-1 ■ MMP-8	(I,II,III,VII,VIII X); ; ; 1 ⁻ / 1 ⁻ (I,II,III, V,VII,VIII X); ; ; 1 ⁻
-1	■ MMP-3	(III, IV, V IX); ; ;
	-2, MMP-9	(IV, V,VII, X, IV); ; -3;
	-7	(IV, V,VII, X, IV); ; -3 4



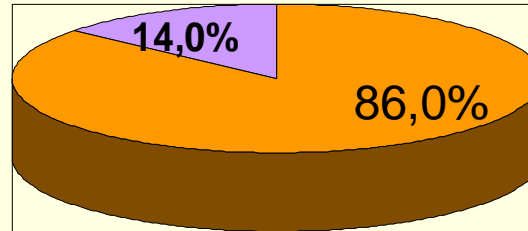
MMPs/

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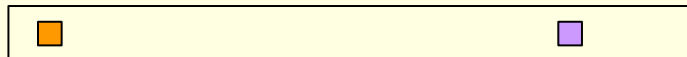
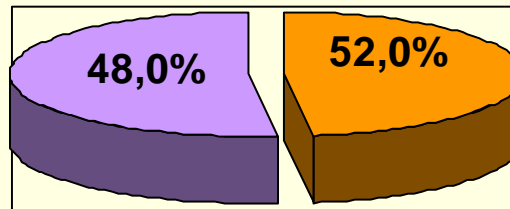


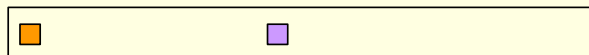
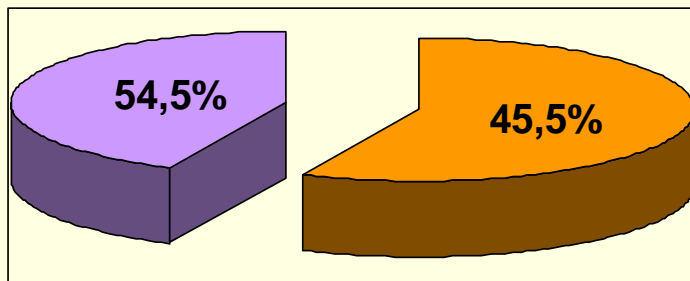


M.tuberculosis

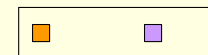
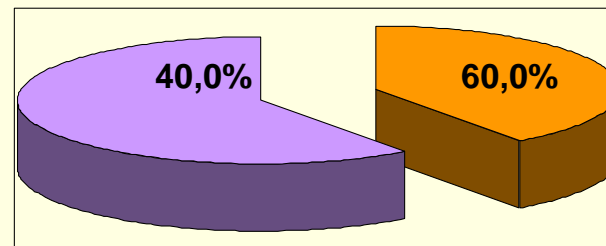


M.tuberculosis

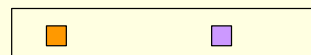
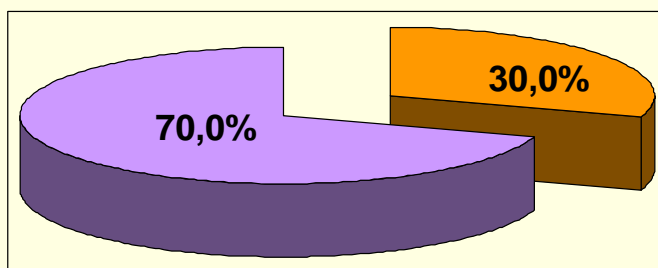




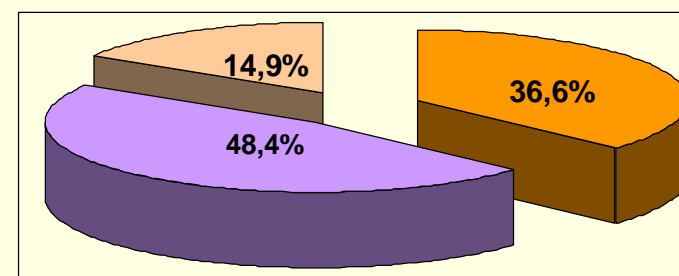
Grey rectangular bar.



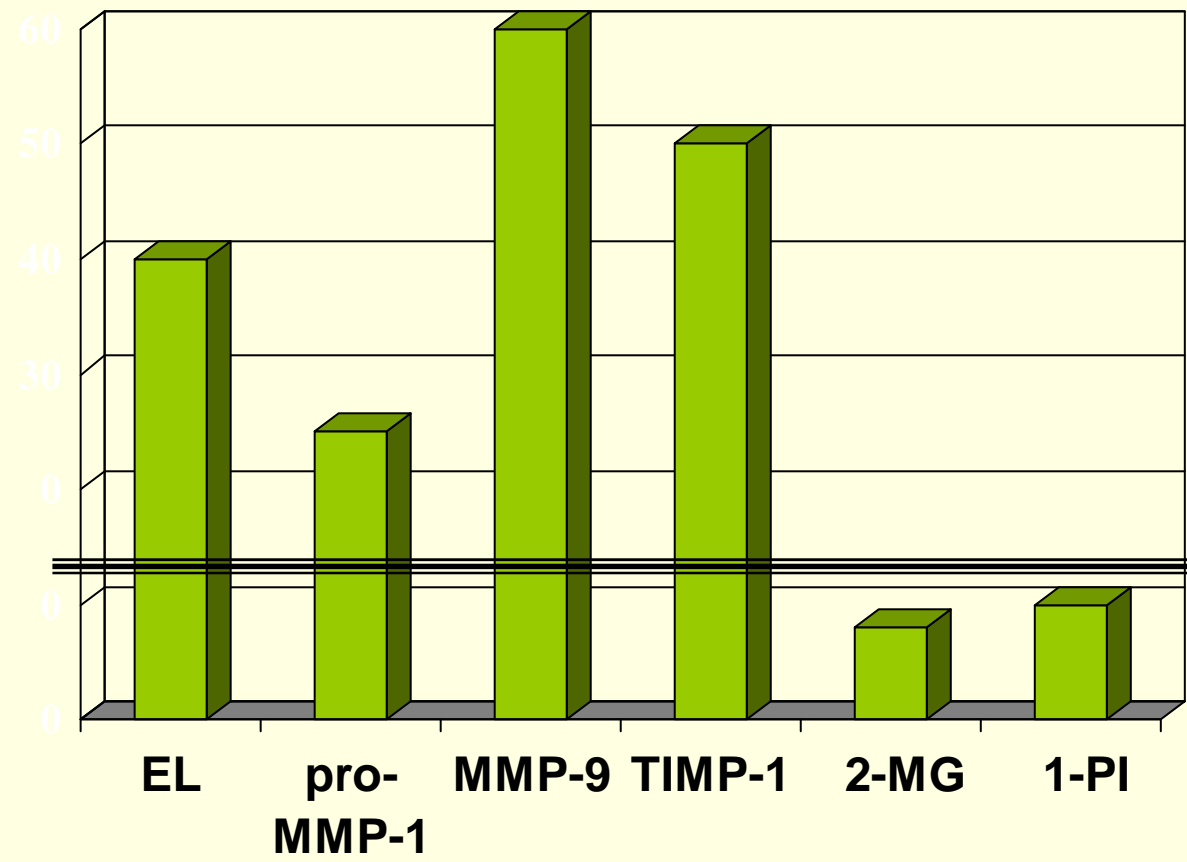
M.tuberculosis

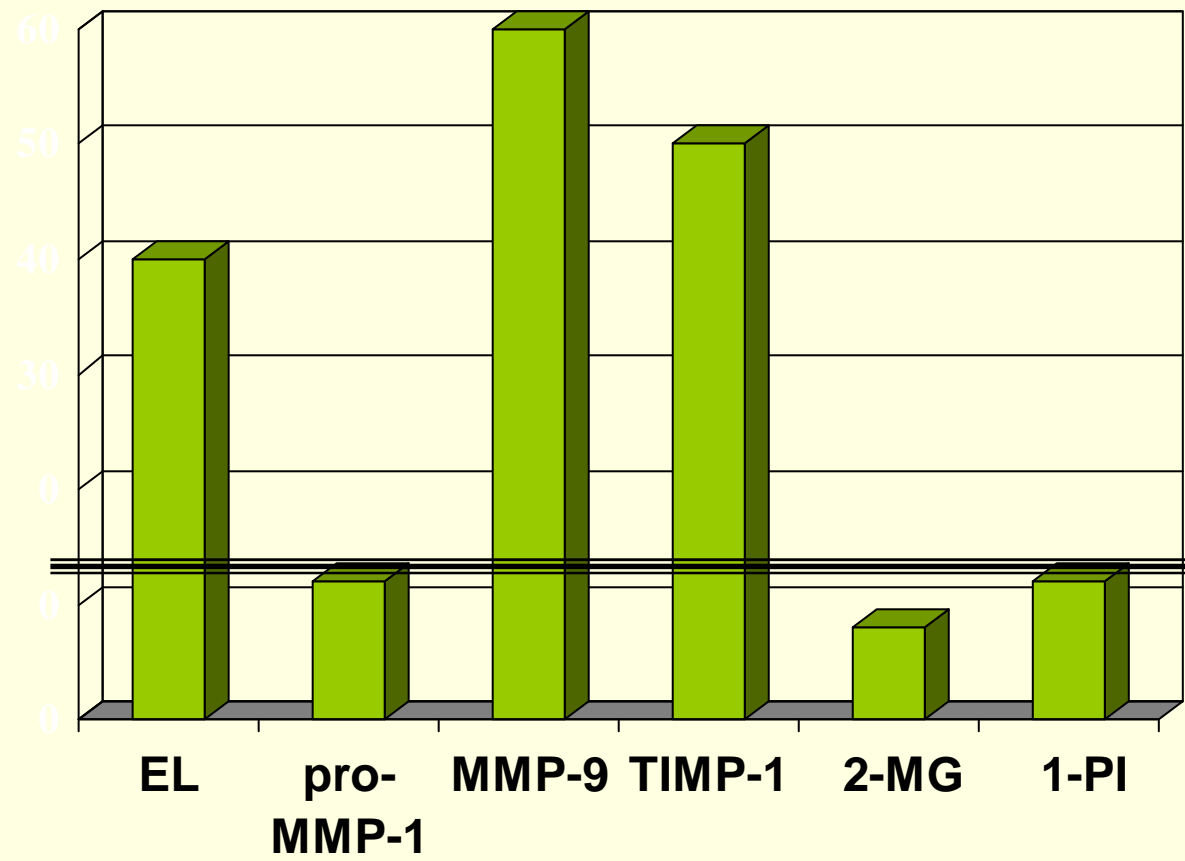


Grey rectangular bar.

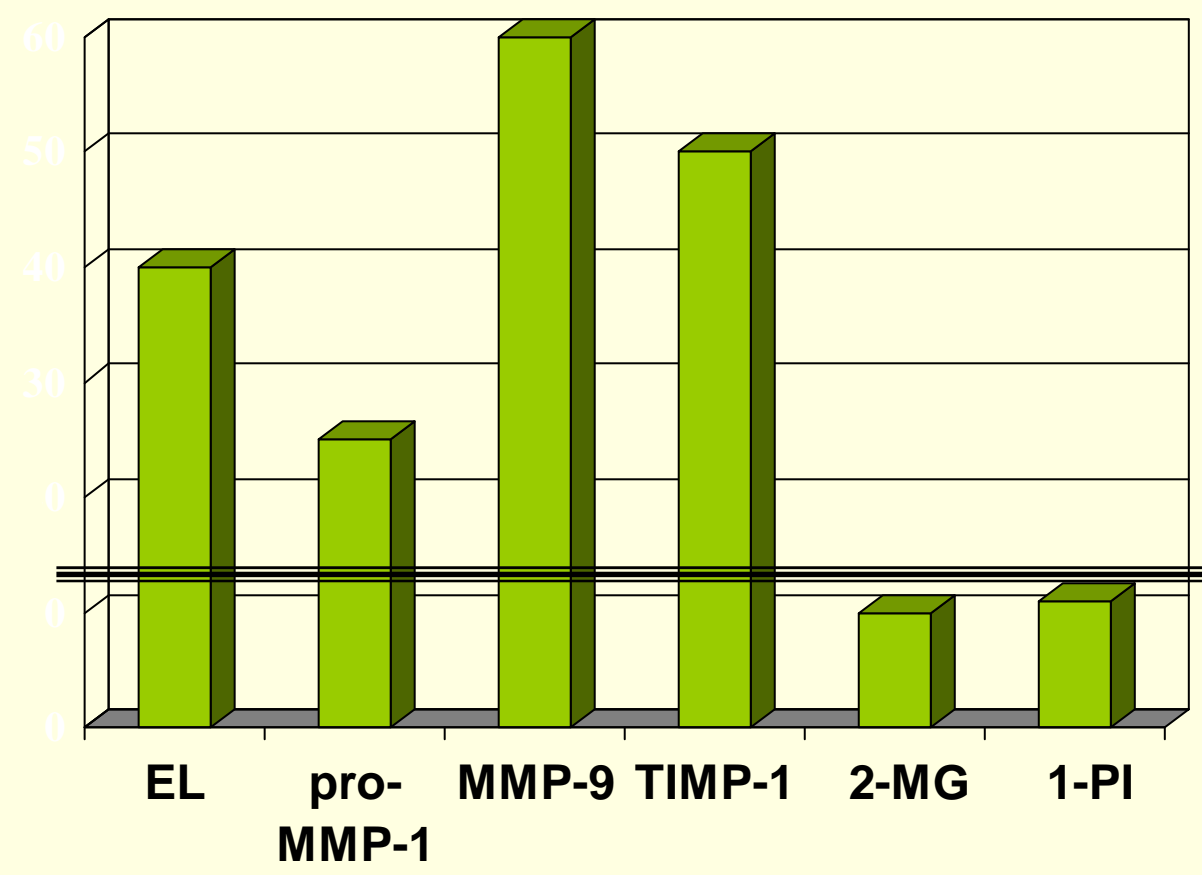


Grey rectangular bar.

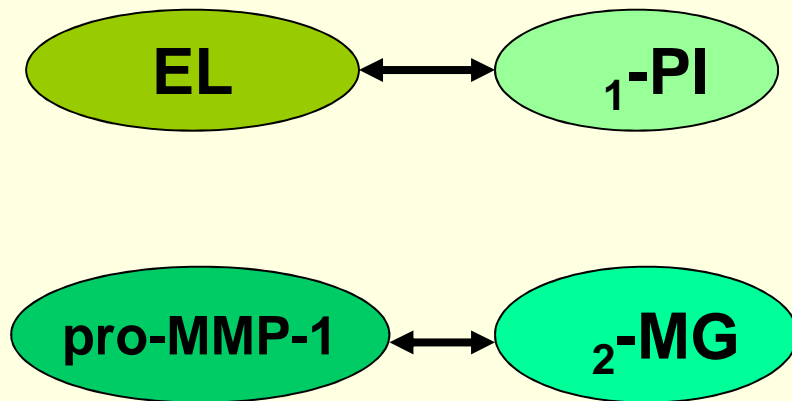




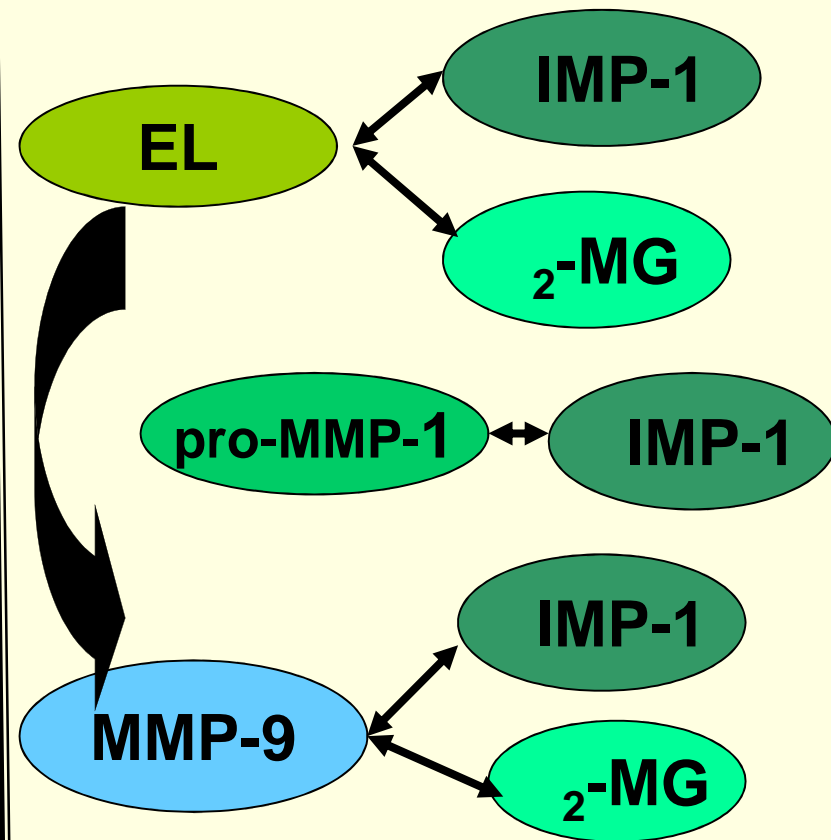
, III IV



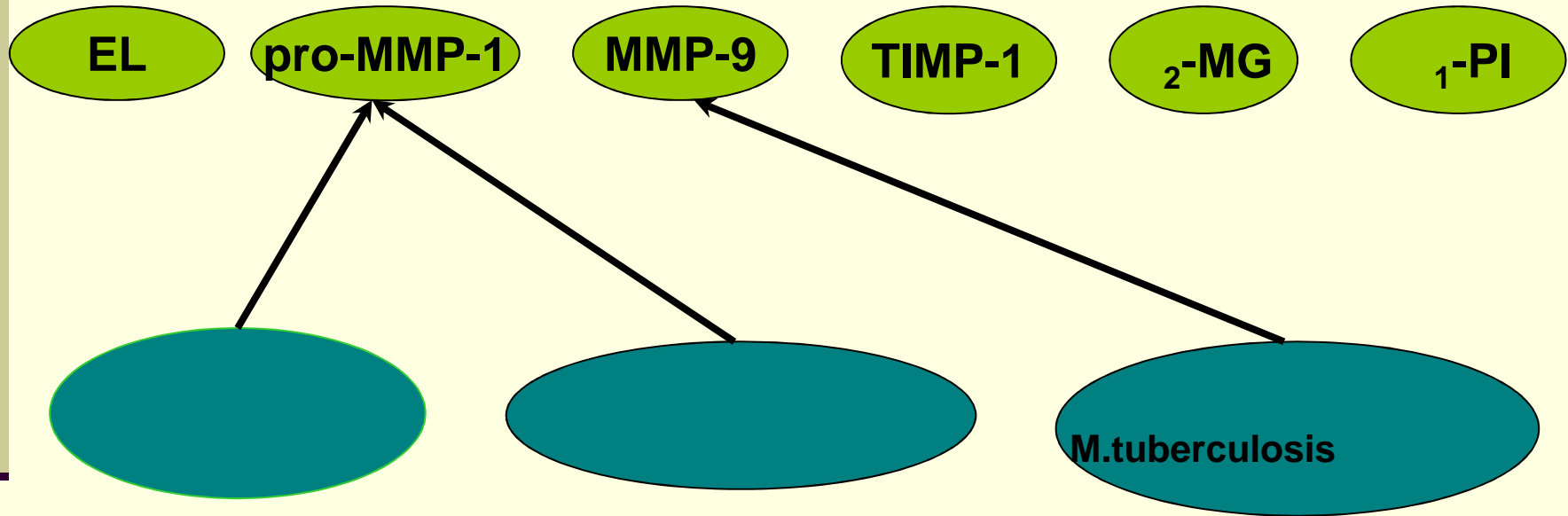
II .



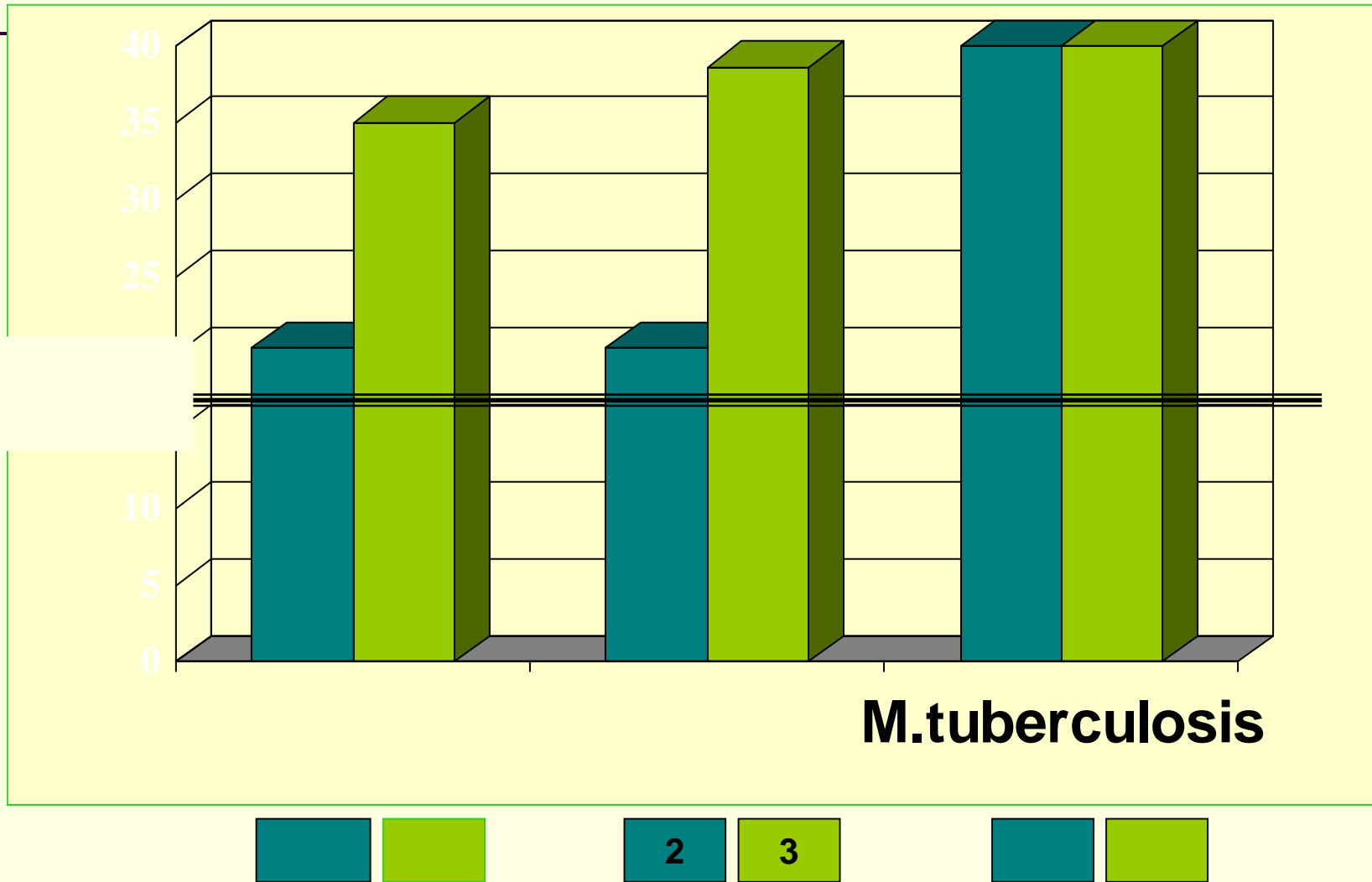
III, IV .



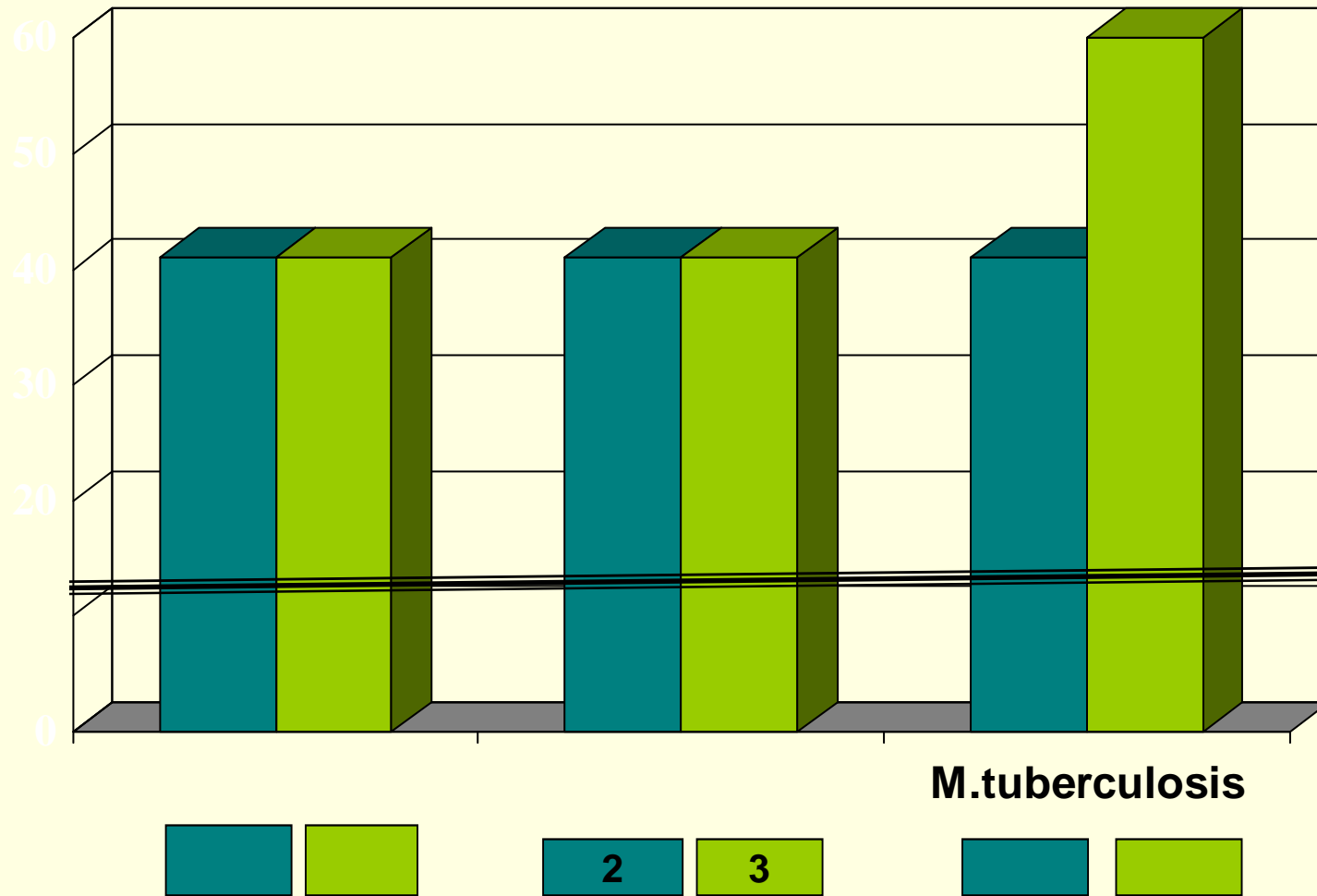
MMPs/



pro-MMP-1



MMP-9





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pro-

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M.tuberculosis

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-9, TIMP-1, EL

1-PI,

M.tuberculosis

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