

Figure 1

1/25

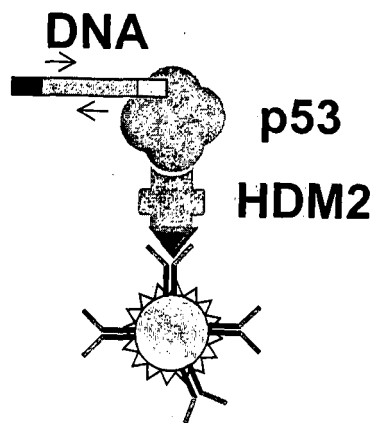
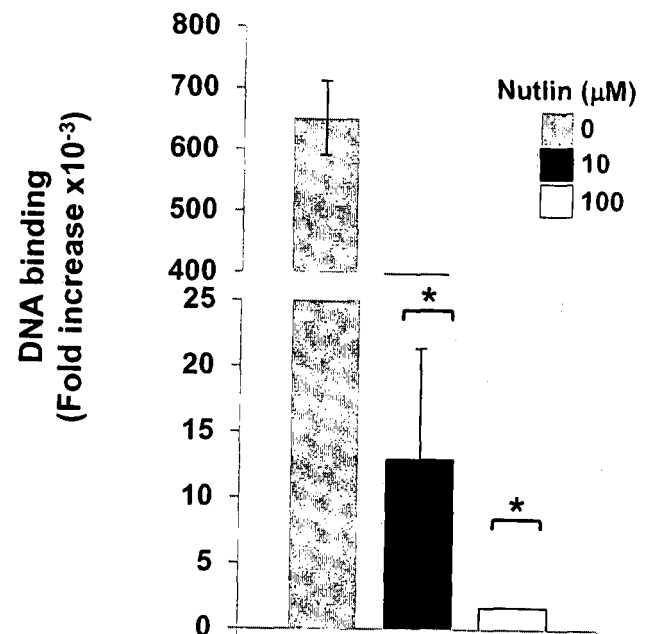
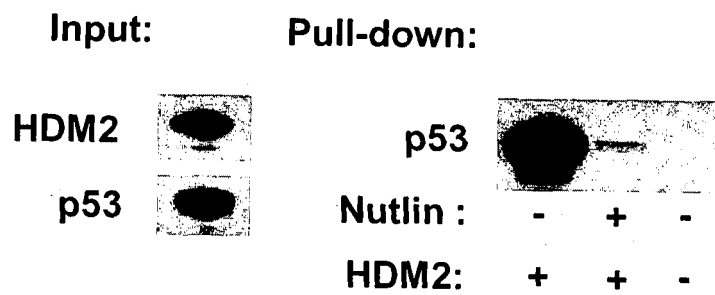
A.**B.****C.**

Figure 2

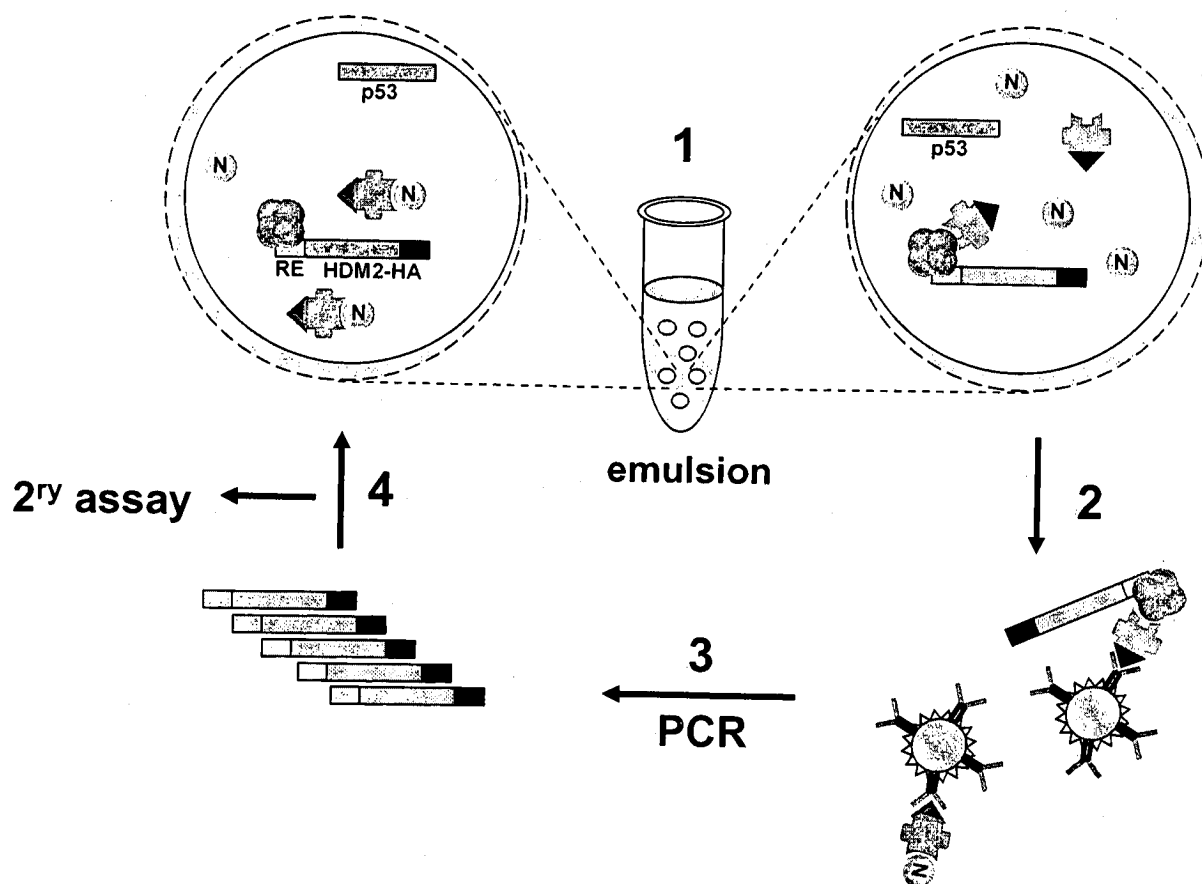
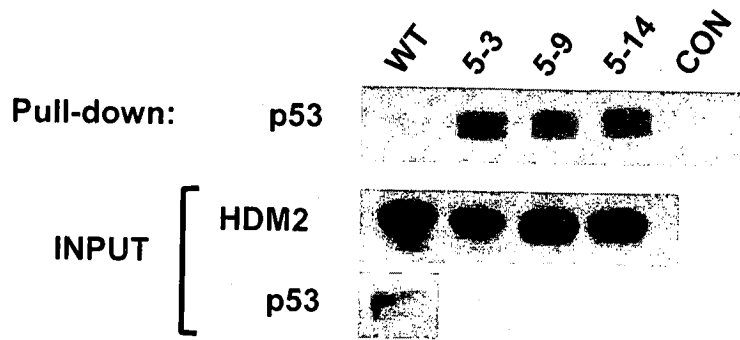
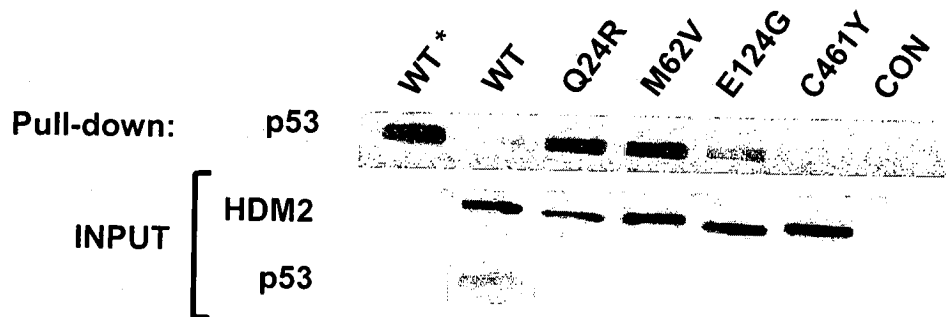
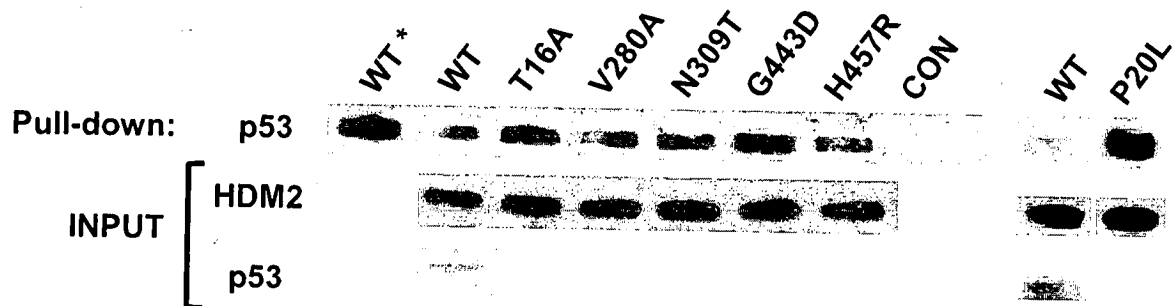
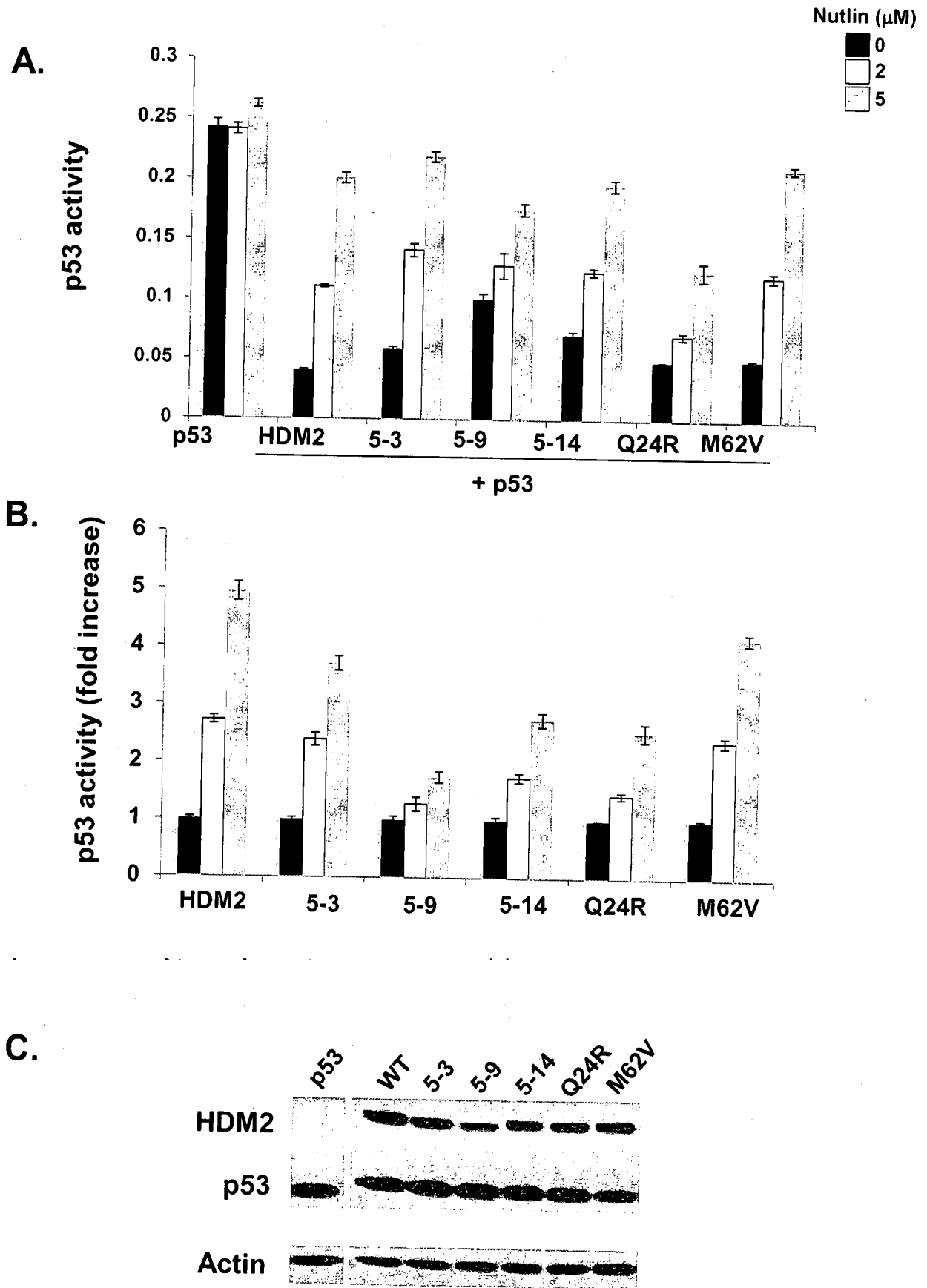


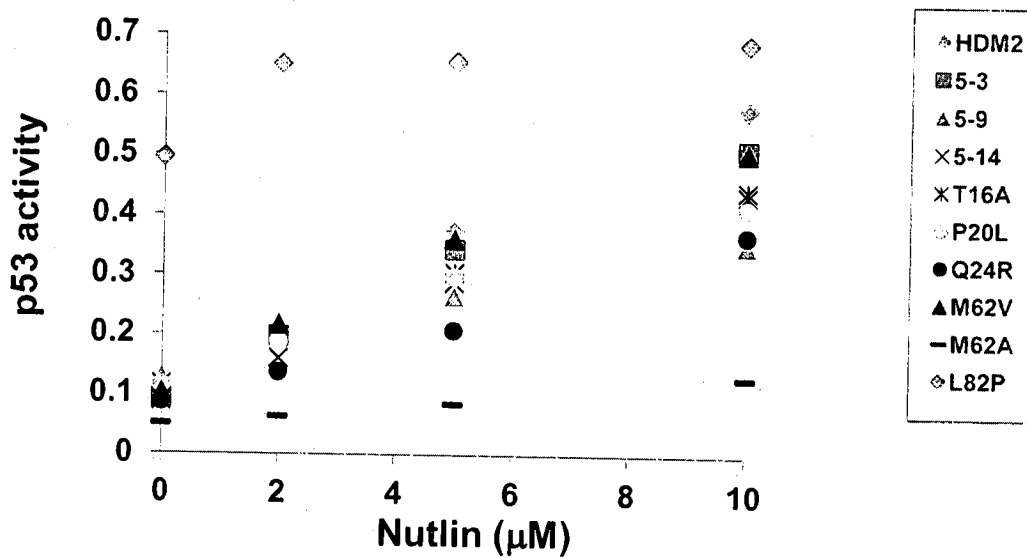
Figure 3

3/25

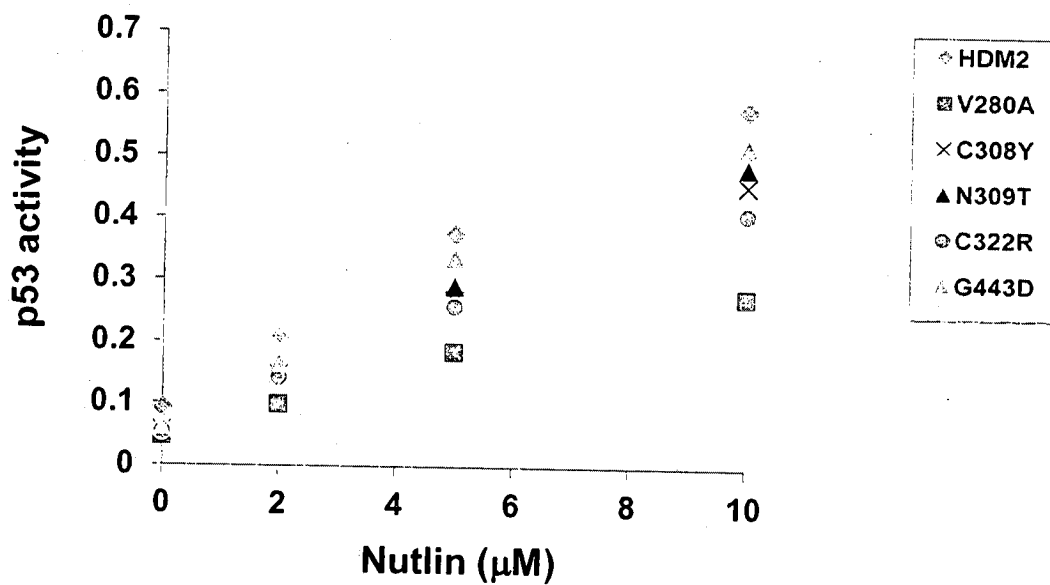
A.**B.****C.**



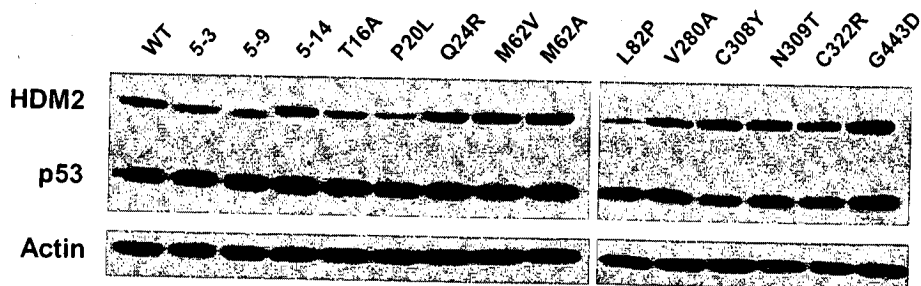
A.



B.



C.



6/25

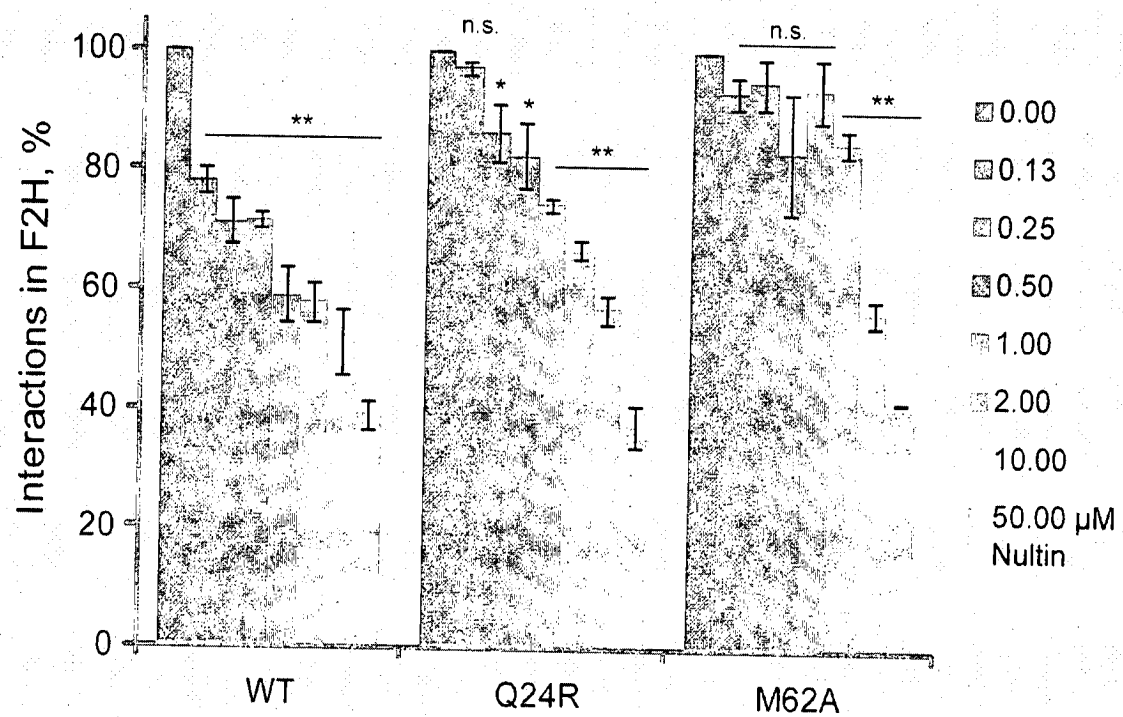
Figure 6

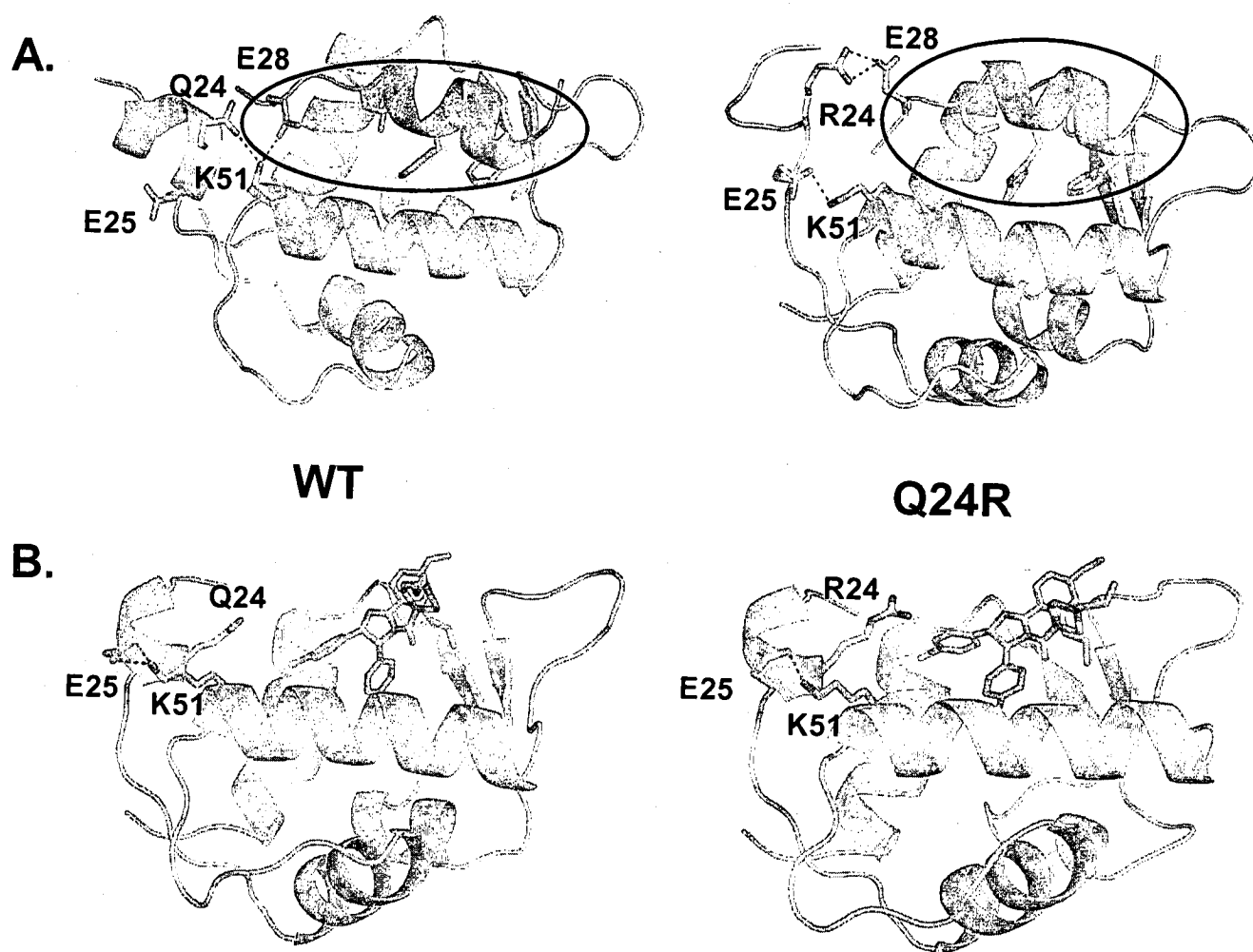
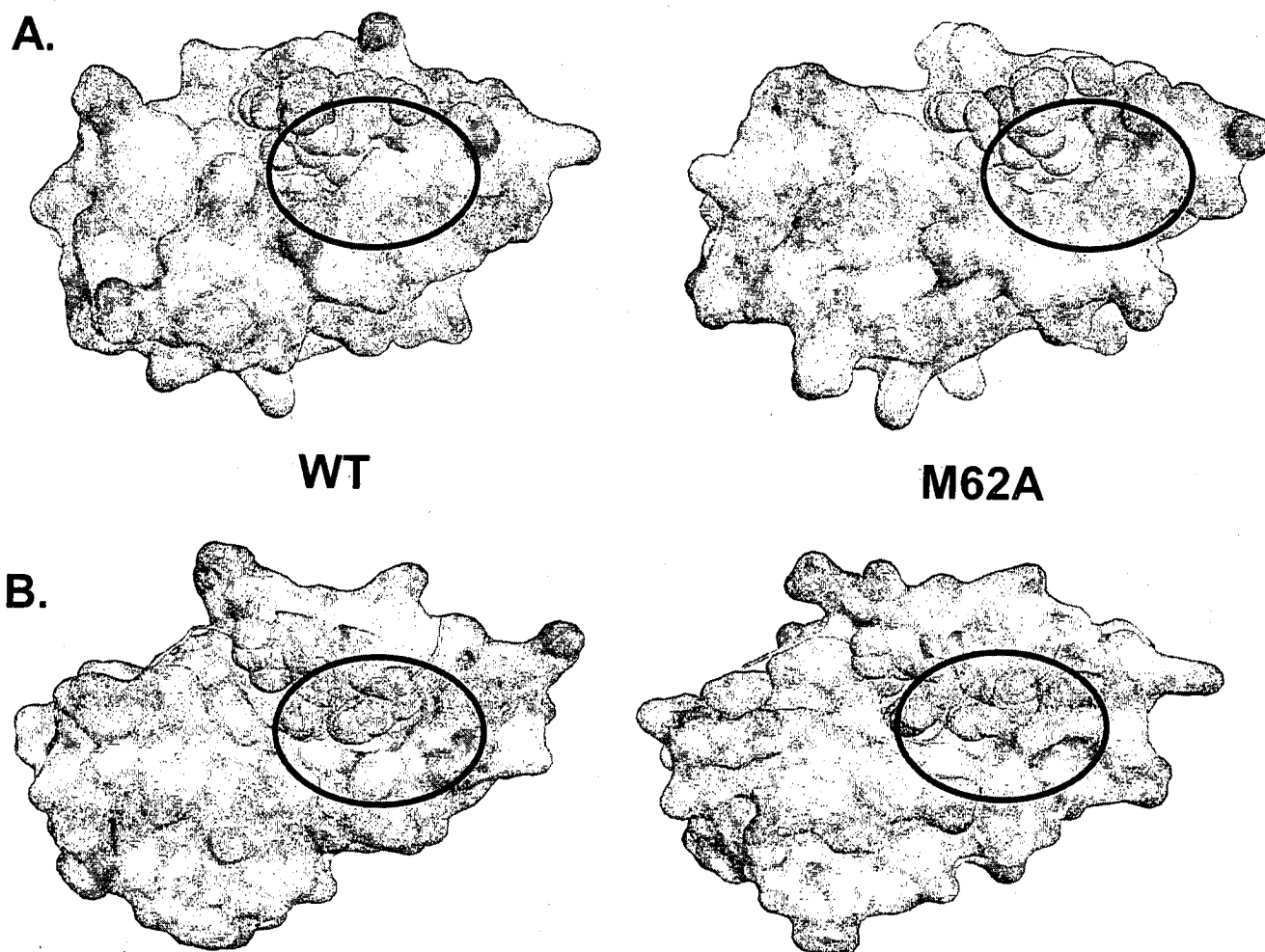
Figure 7

Figure 8

9/25

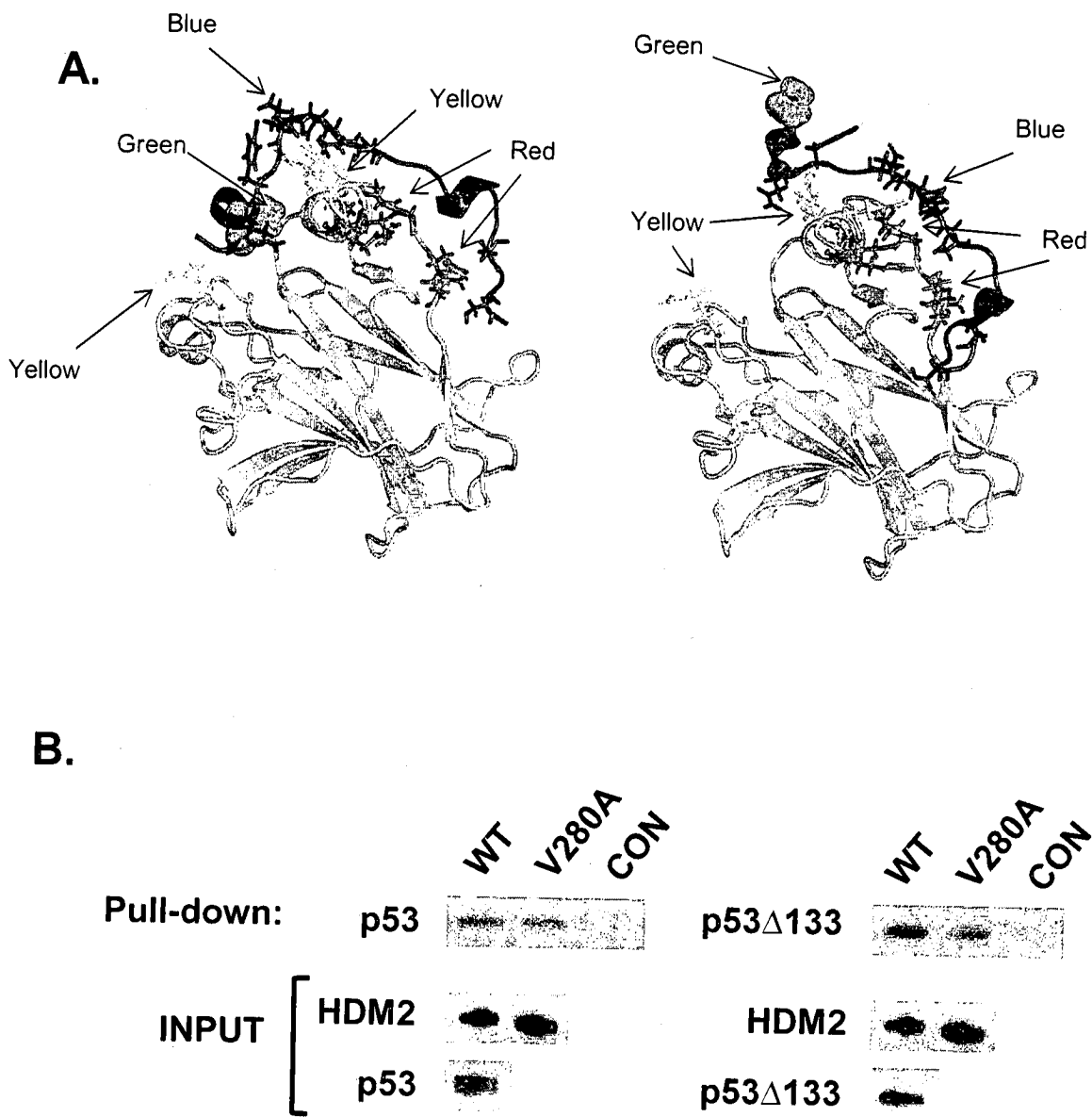
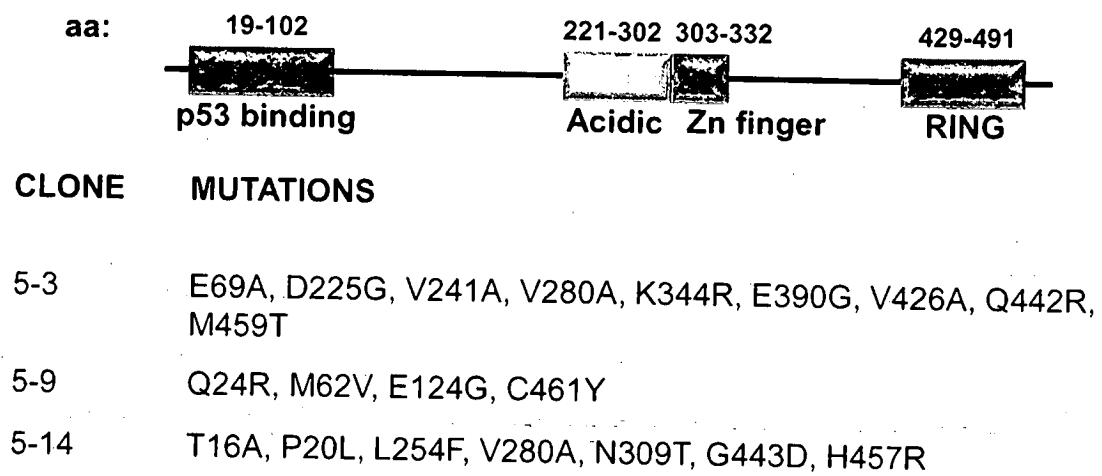
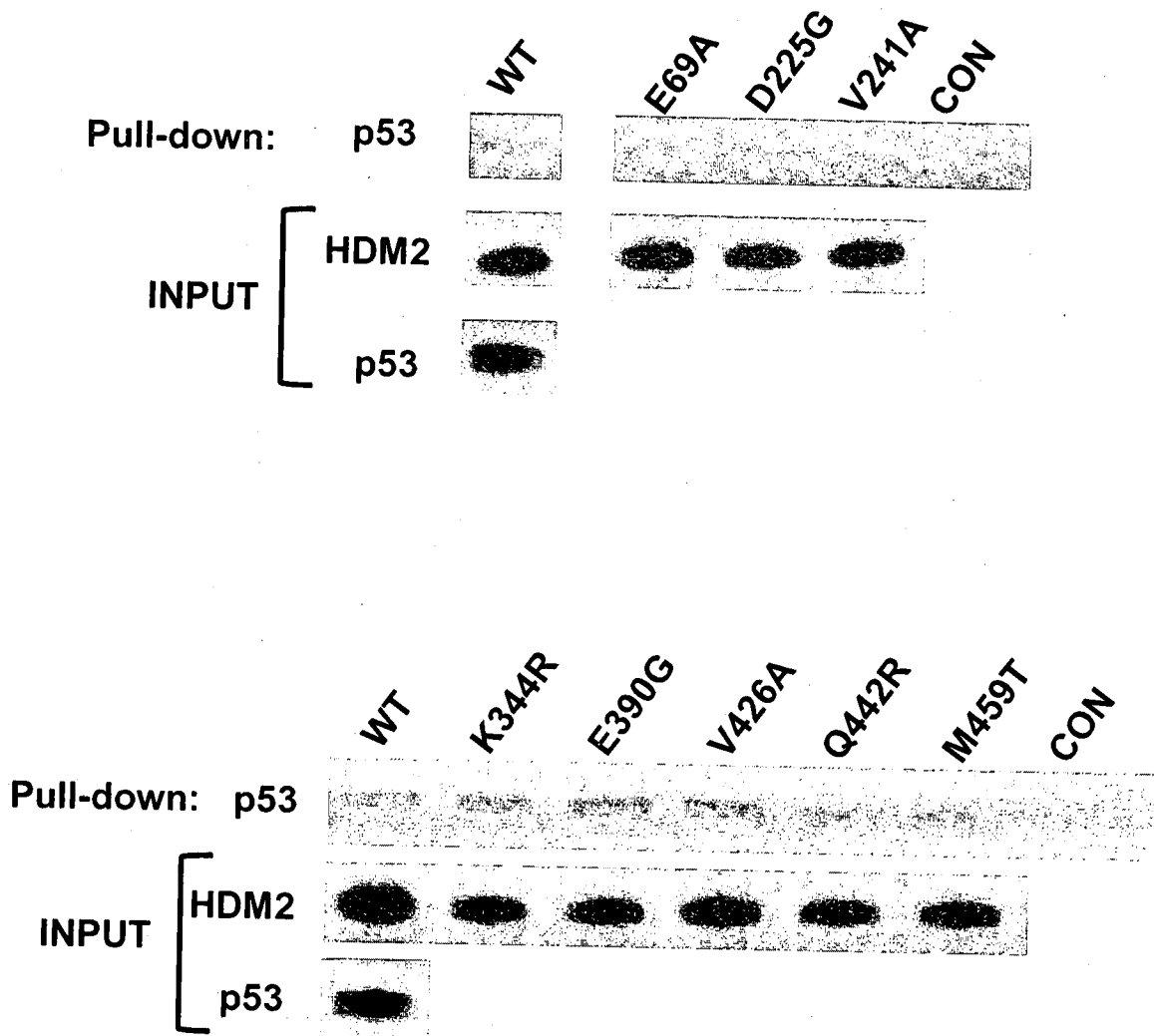
Figure 9

Figure 10



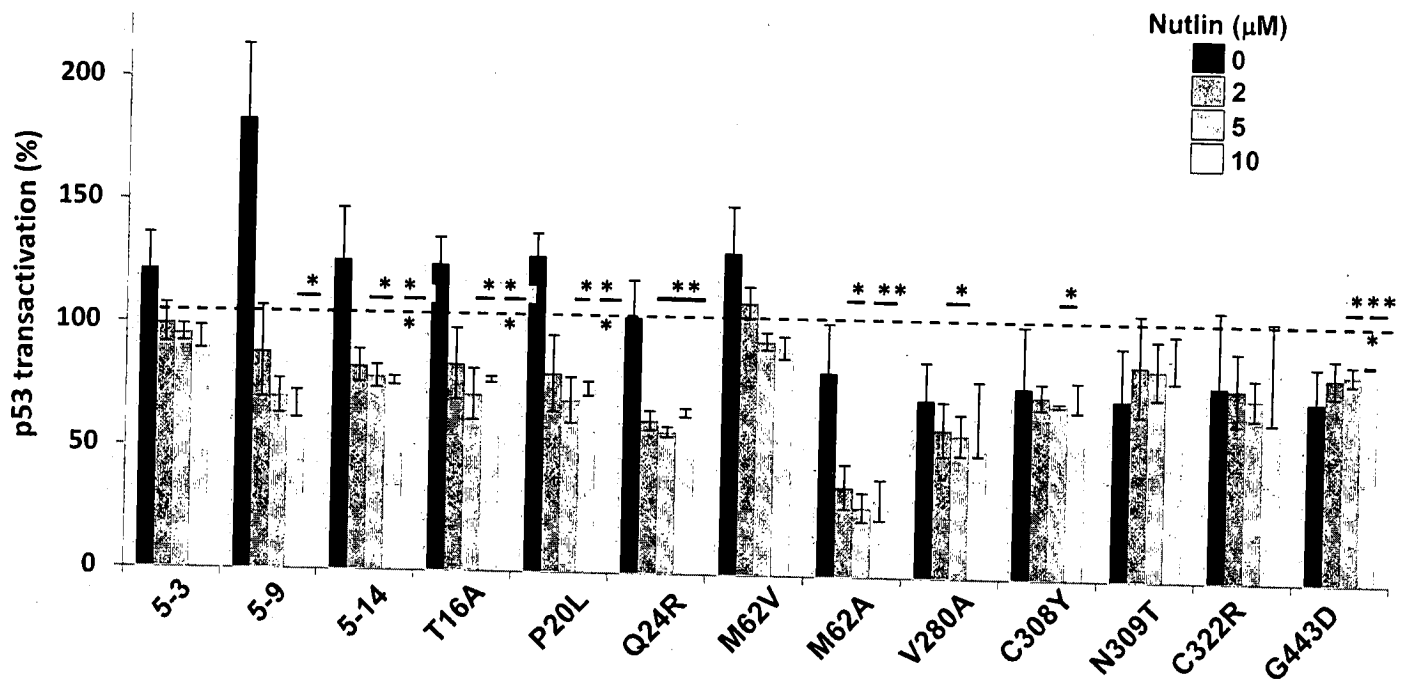
11/25

Figure 11

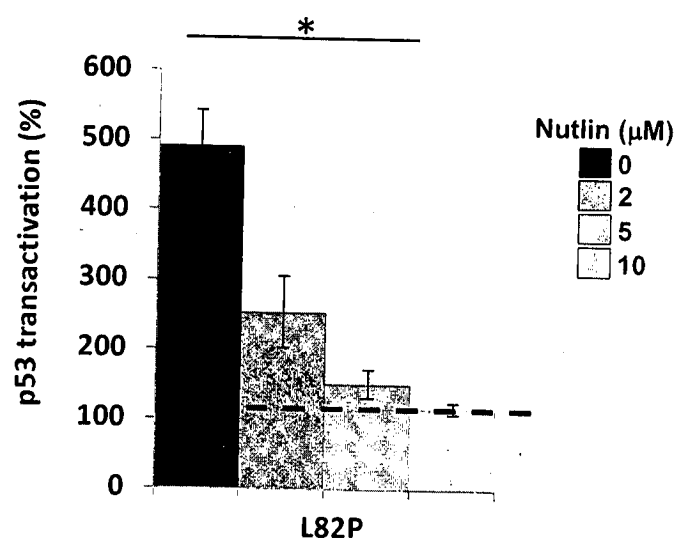
12/25

Figure 12

A.

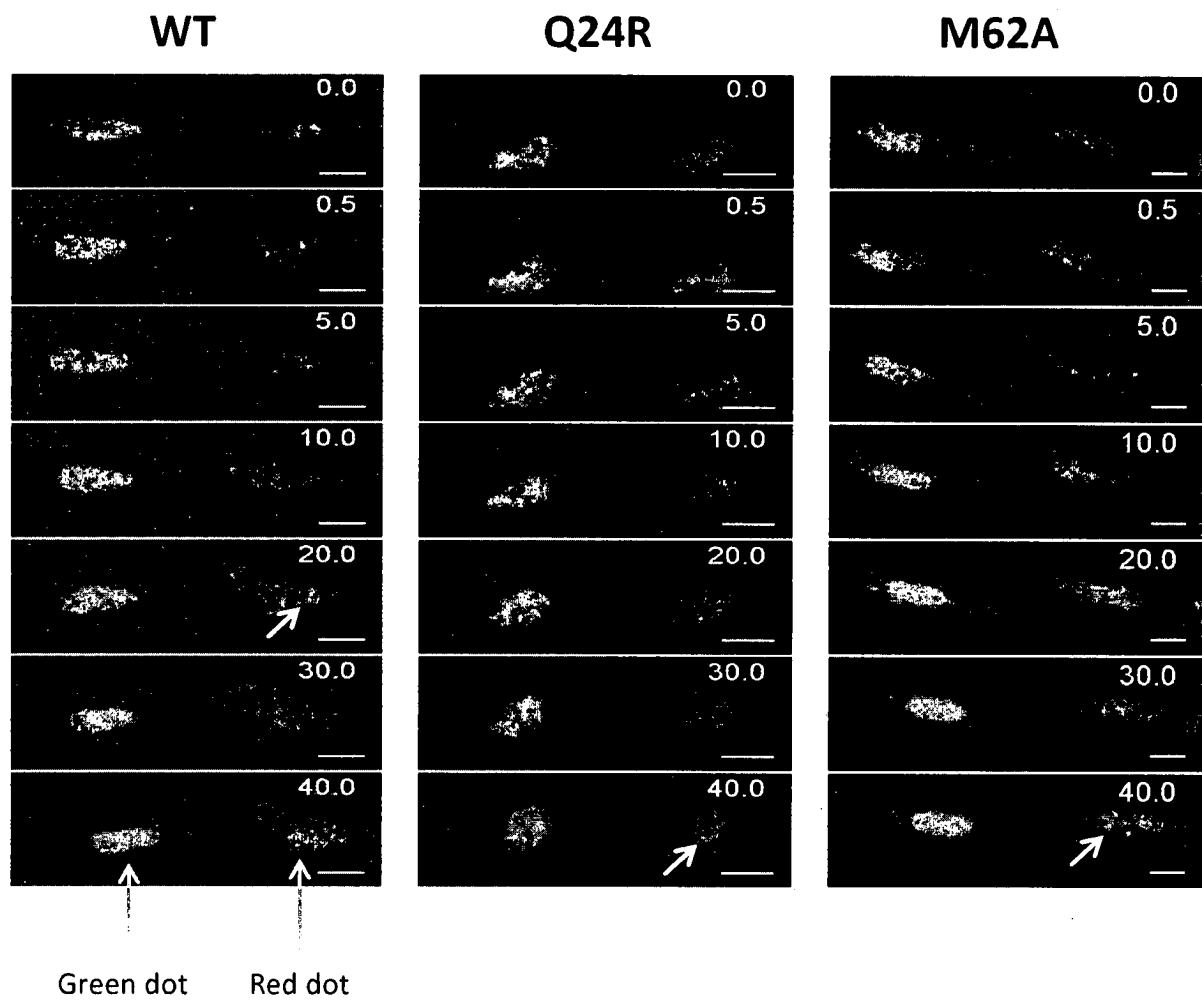


B.



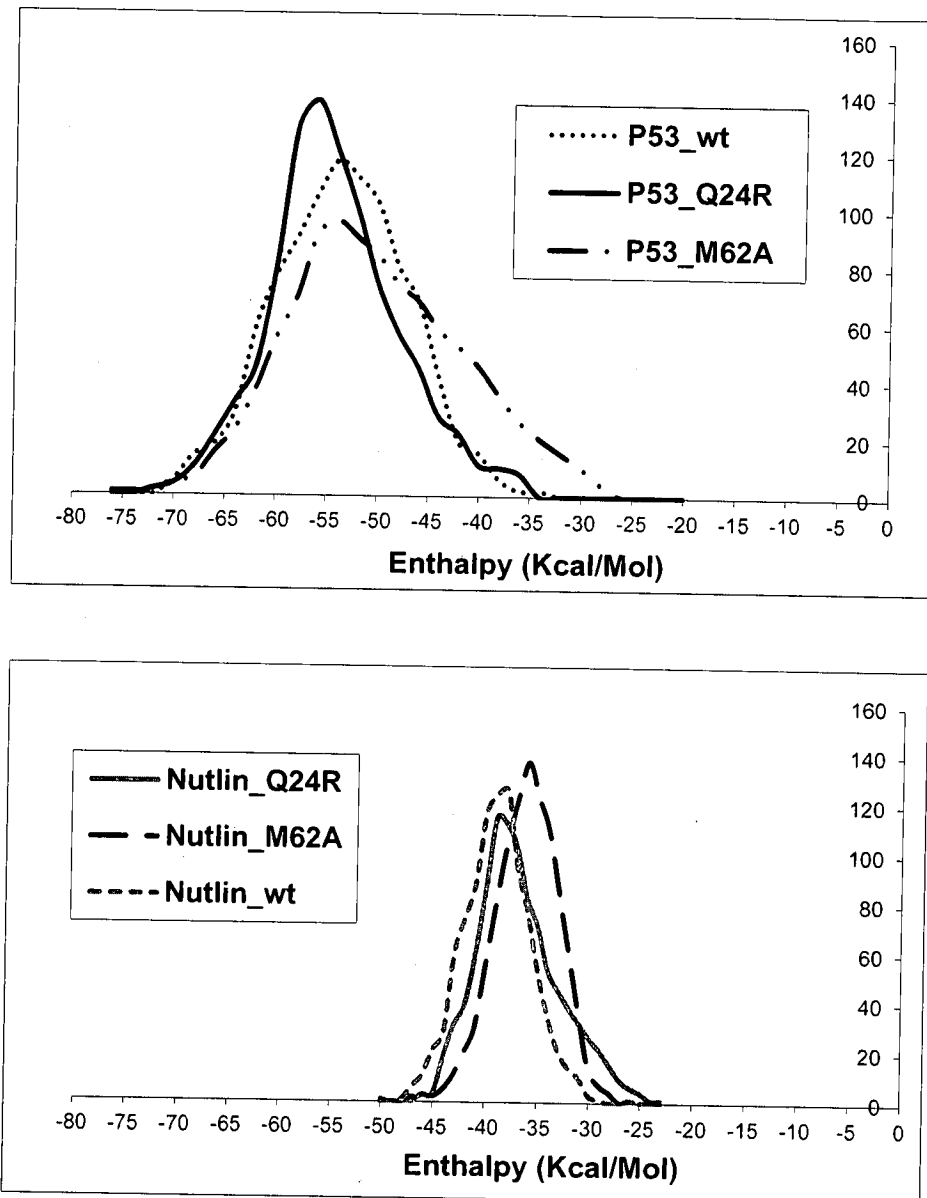
13/25

Figure 13

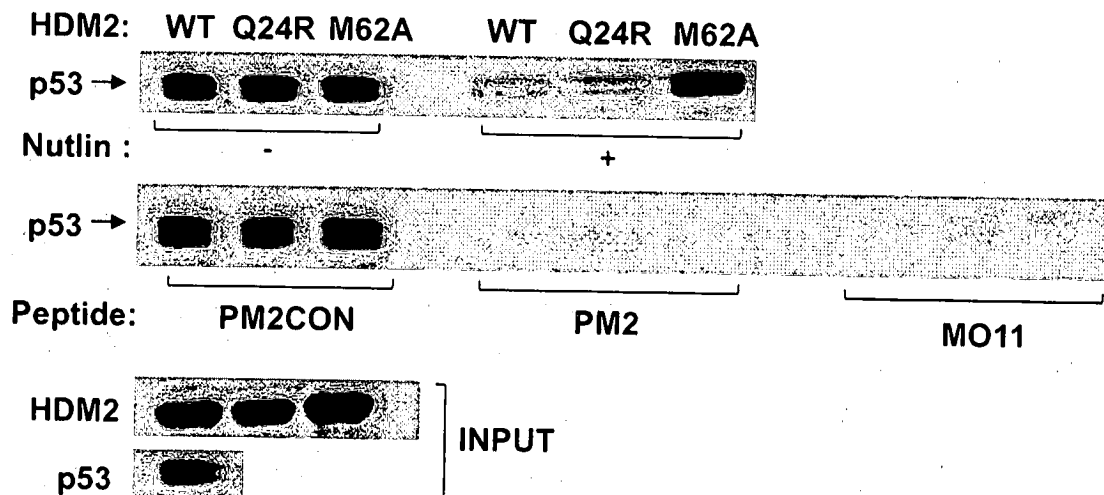
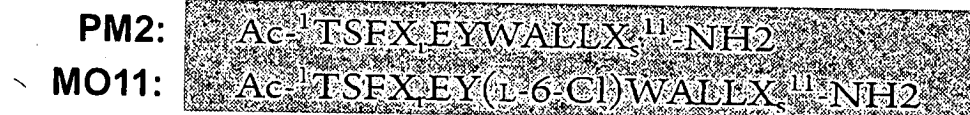


14/25

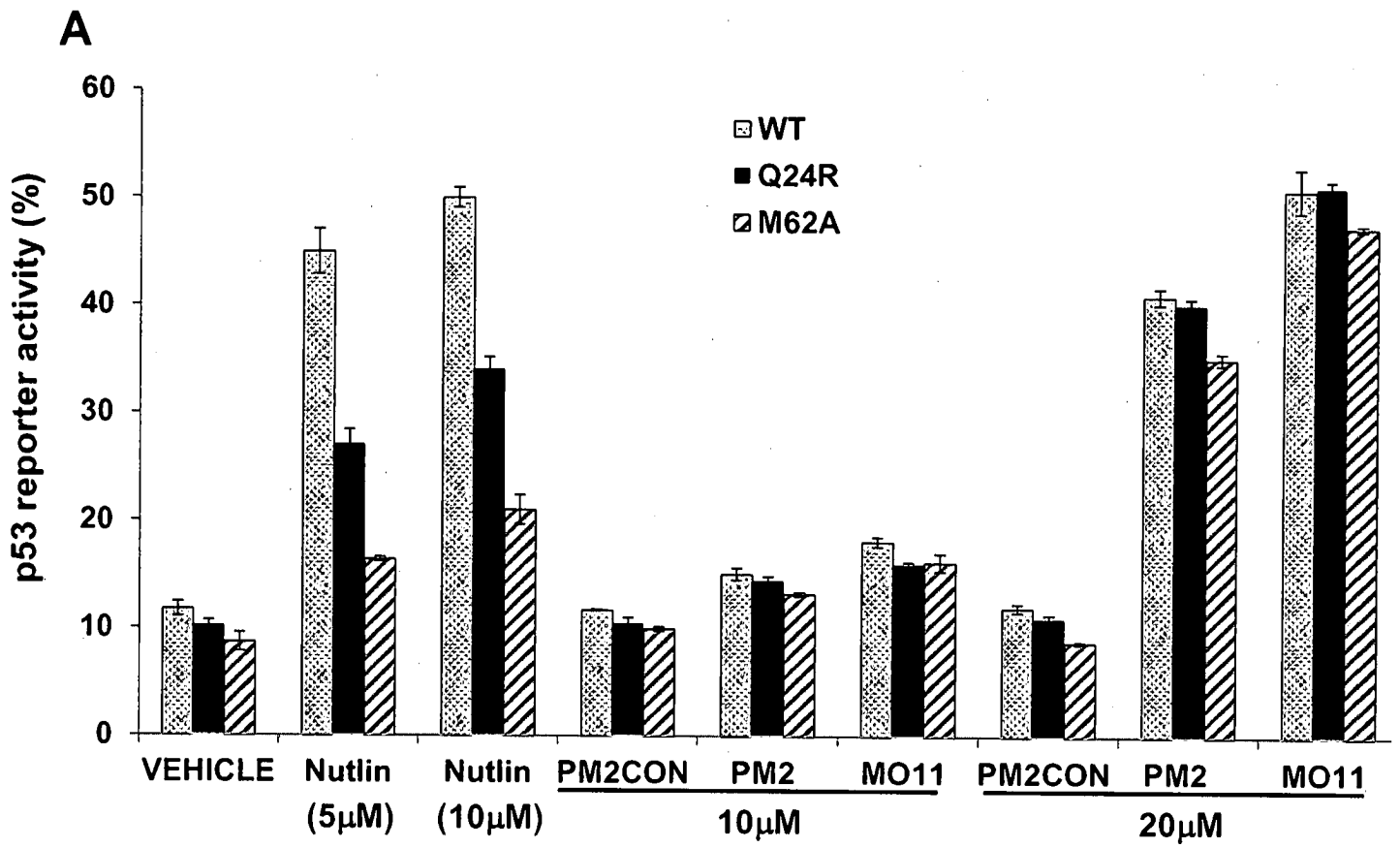
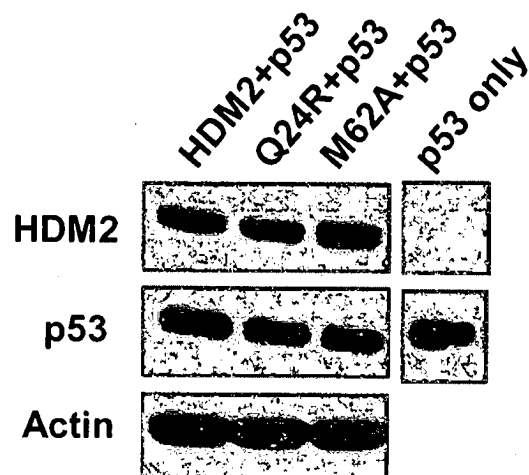
Figure 14



15/25

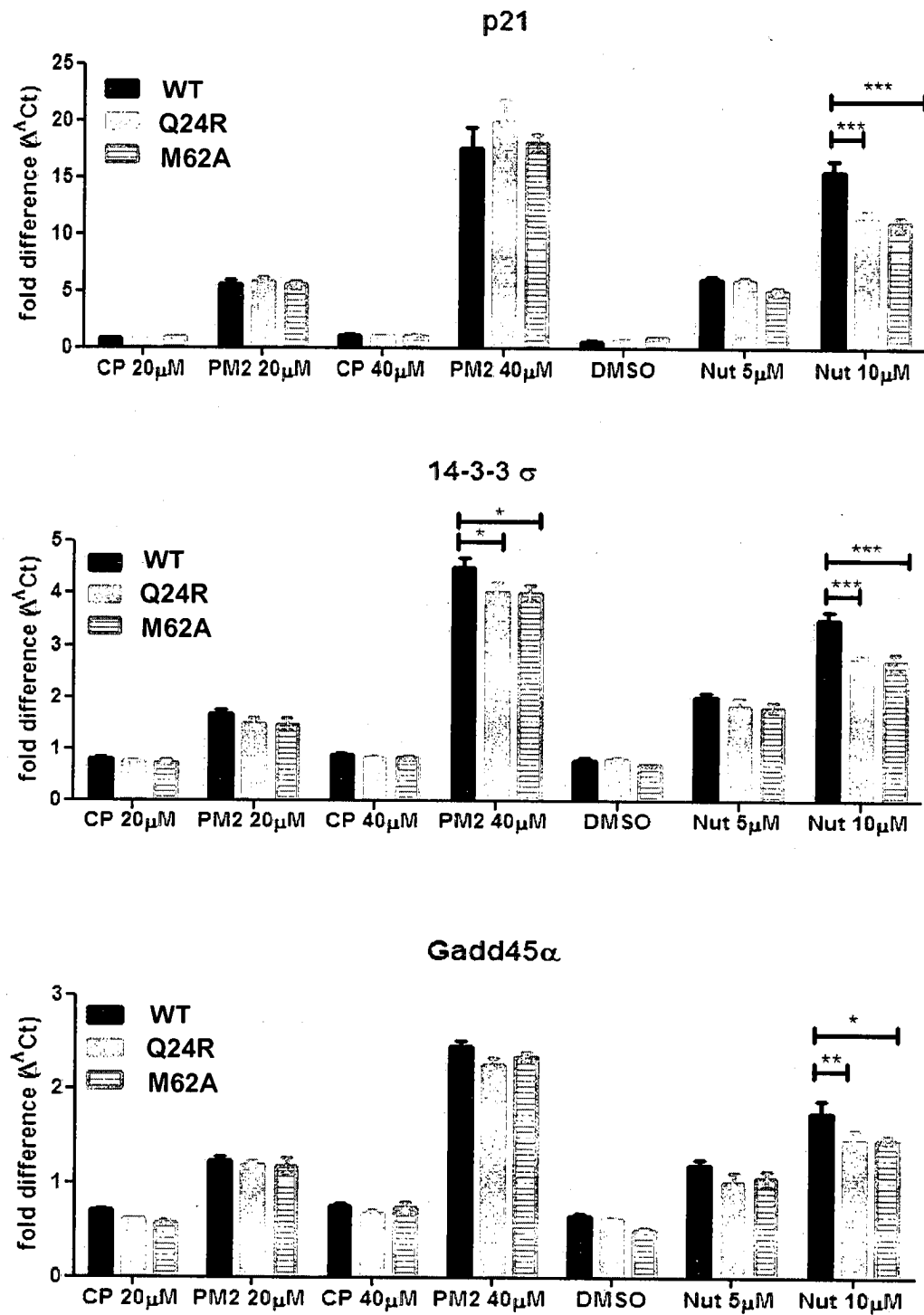
Figure 15**A****B**

16/25

Figure 16**B**

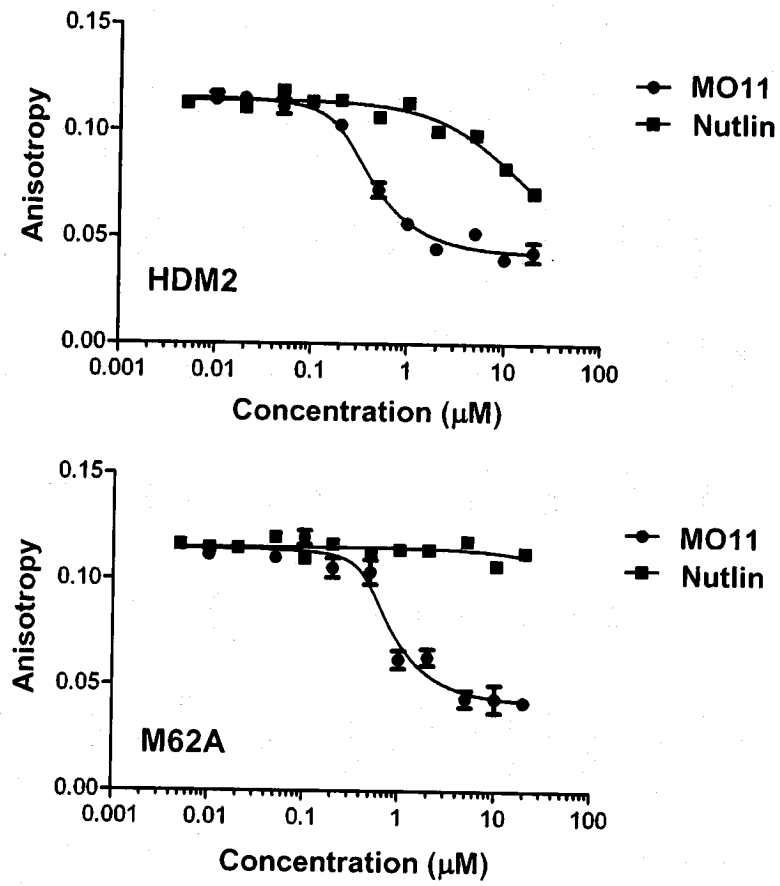
17/25

Figure 17



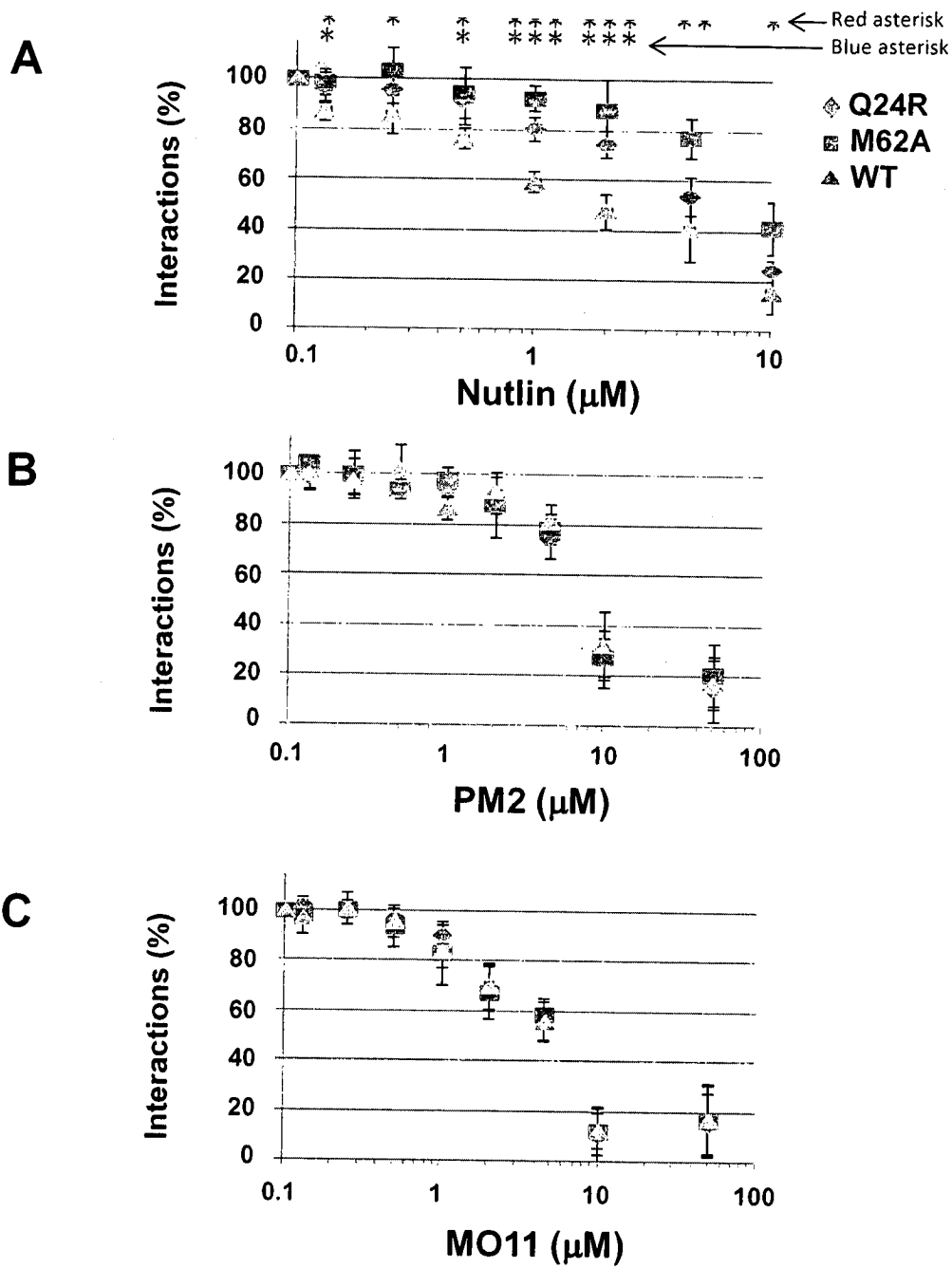
18/25

Figure 18



19/25

Figure 19



20/25

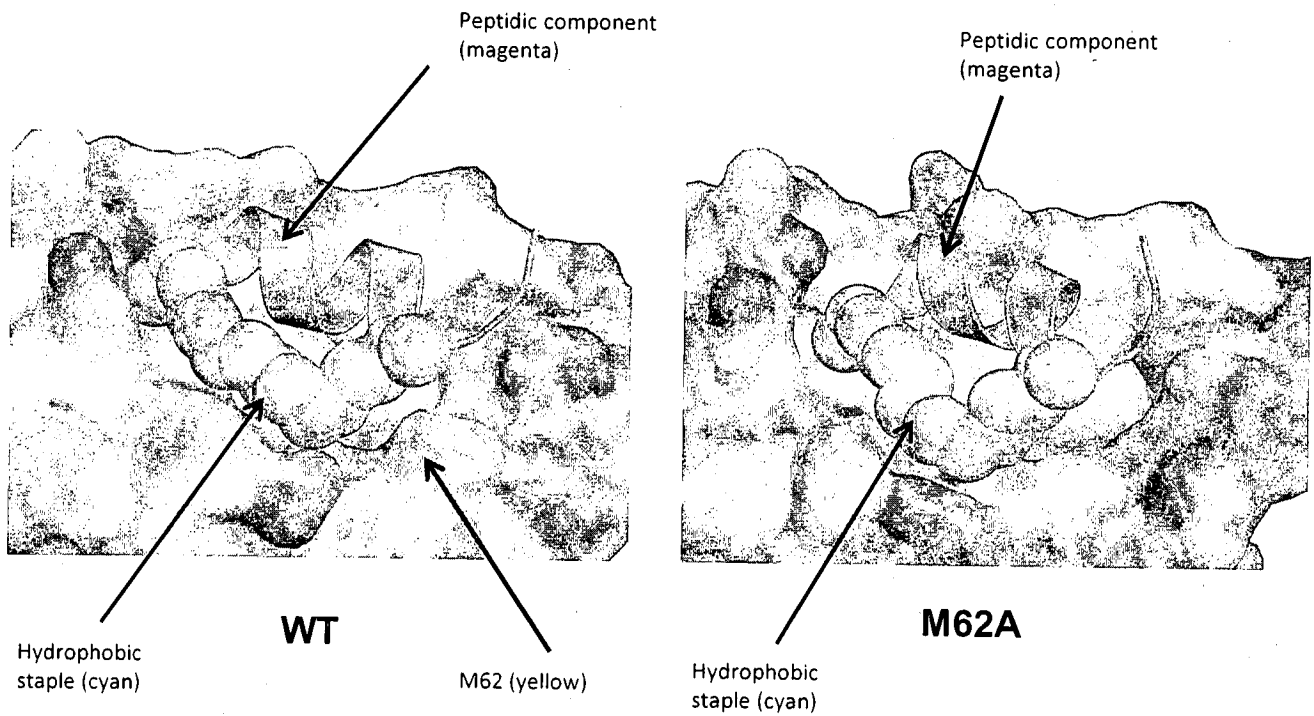
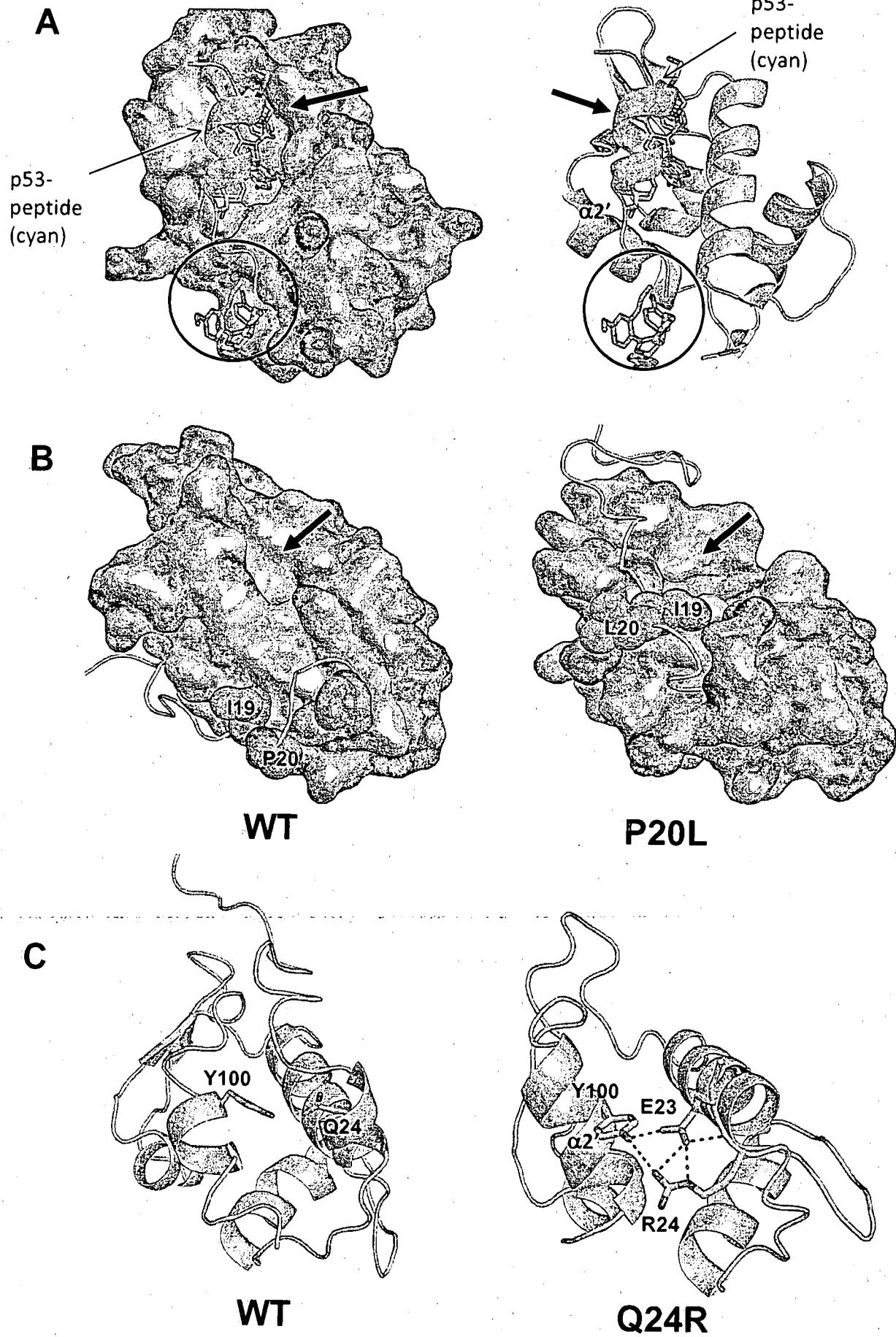
Figure 20

Figure 21

21/25



22/25

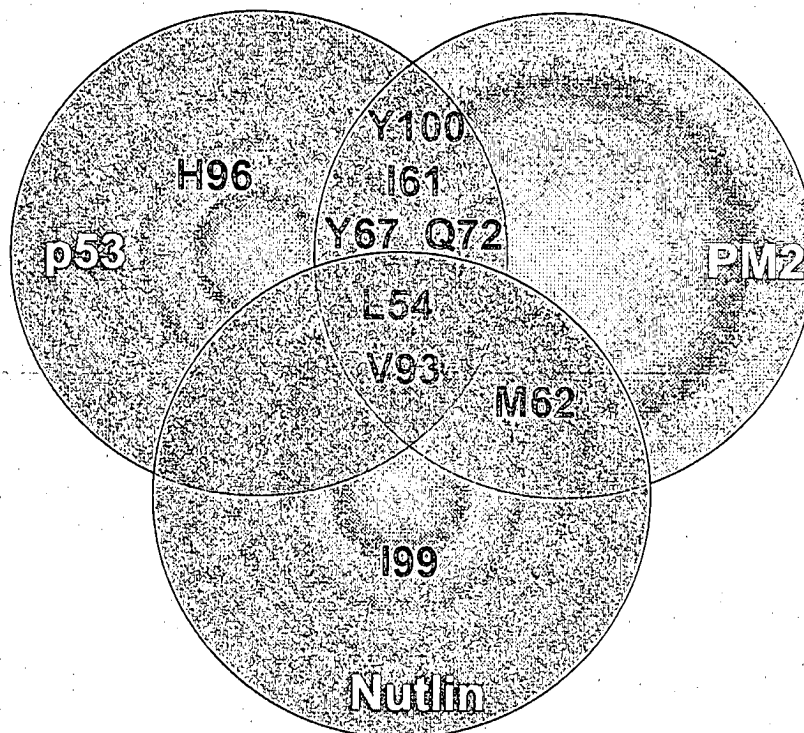
Figure 22

	p53 peptide $K_d(\text{nM})$	MO11 $K_d(\text{nM})$	Nutlin $K_d(\text{nM})$
HDM2	13.9 ± 4.4	12.94 ± 3.02	784.15 ± 11.45
M62A	29.62 ± 3.03	18.24 ± 6.14	11426 ± 2490
Q24R	10.39 ± 1.30	16.94 ± 3.20	5282.67 ± 1335.47
P20L	17.22 ± 4.10	16.46 ± 4.61	3041.67 ± 879.71

23/25

Figure 23

HDM2 Residues	p53	Nutlin	PM2
Q 24	1.03	0.25	0.54
M 50	1.52	0.15	0.29
K 51	1.54	-0.05	0.17
L 54	<u>3.70</u>	<u>2.20</u>	<u>2.71</u>
F 55	0.10	0.19	1.69
L 57	0.80	0.81	1.03
I 61	<u>2.17</u>	1.52	<u>2.19</u>
M 62	1.69	<u>2.15</u>	<u>2.31</u>
Y 67	<u>2.74</u>	0.60	<u>3.30</u>
Q 72	<u>3.86</u>	0.50	<u>3.83</u>
V 75	0.75	0.59	1.03
V 93	<u>2.57</u>	<u>2.82</u>	<u>2.65</u>
H 96	<u>2.80</u>	0.66	0.66
I 99	1.31	<u>2.13</u>	1.97
Y 100	<u>4.93</u>	0.28	<u>2.84</u>



25/25

Figure 25

