

	$\sigma_1^{\#1} \dagger \alpha\beta$	$\sigma_1^{\#2} \dagger \alpha\beta$	$\tau_1^{\#1} \dagger \alpha\beta$	$\sigma_1^{\#1} \alpha$	$\sigma_1^{\#2} \alpha$	$\tau_1^{\#1} \alpha$	$\tau_1^{\#2} \alpha$
$\sigma_1^{\#1} \dagger \alpha\beta$	0	$-\frac{\sqrt{2}}{t_1+k^2}t_1$	$-\frac{i\sqrt{2}k}{t_1+k^2}t_1$	0	0	0	0
$\sigma_1^{\#2} \dagger \alpha\beta$	$-\frac{\sqrt{2}}{t_1+k^2}t_1$	$\frac{1}{(1+k^2)^2}t_1$	$\frac{ik}{(1+k^2)^2}t_1$	0	0	0	0
$\tau_1^{\#1} \dagger \alpha\beta$	$\frac{i\sqrt{2}k}{t_1+k^2}t_1$	$-\frac{ik}{(1+k^2)^2}t_1$	$\frac{k^2}{(1+k^2)^2}t_1$	0	0	0	0
$\sigma_1^{\#1} \dagger \alpha$	0	0	0	$\frac{2(t_1+t_3)}{3t_1t_3}$	$-\frac{\sqrt{2}(t_1-2t_3)}{3(1+2k^2)^2}t_1t_3$	0	$-\frac{2ikt_1-4ikt_3}{3t_1t_3+6k^2t_1t_3}$
$\sigma_1^{\#2} \dagger \alpha$	0	0	0	$-\frac{\sqrt{2}(t_1-2t_3)}{3(1+2k^2)^2}t_1t_3$	$\frac{t_1+4t_3}{3(1+2k^2)^2}t_1t_3$	0	$\frac{i\sqrt{2}k(t_1+4t_3)}{3(1+2k^2)^2}t_1t_3$
$\tau_1^{\#1} \dagger \alpha$	0	0	0	0	0	0	0
$\tau_1^{\#2} \dagger \alpha$	0	0	0	$\frac{2ikt_1-4ikt_3}{3t_1t_3+6k^2t_1t_3}$	$-\frac{i\sqrt{2}k(t_1+4t_3)}{3(1+2k^2)^2}t_1t_3$	0	$\frac{2k^2(t_1+4t_3)}{3(1+2k^2)^2}t_1t_3$